SERVICE MANUAL

STEREO MUSIC CENTER

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1. SPECIFICATIONS

A. LW SECTION (This section is applied only that the LW band is equipped at the front panel)

(1) TUNING RANGE . . . . . 153KHz – 360KHz
(2) USABLE SENSITIVITY. . . . . .800 μV
(3) S/N RATIO . . . . . 35 dB
(4) IMAGE REJECTION. . . . . 25 dB
(5) I.F REJECTION . . . . . 35 dB
(6) SPURIOUS RESPONSE . . . . . 25 dB

B. MW(AM) SECTION

(1) TUNING RANGE 522-1611
(2) USABLE SENSITIVITY. . . . . 600 μV
(3) INTERMEDIATE FREQUENCY 450KHz
(4) SELECTIVITY. . . . . 30 dB
(5) IMAGE REJECTION. . . . . 35 dB
(6) IF REJECTION . . . . . 45 dB
(7) S/N RATIO . . . . . 40 dB
(8) TOTAL HARMONIC DISTORTION. 1.5%
(9) OVERLOAD DISTORTION 3%
(10) AUDIO FIDELITY 60Hz-2KHz
(11) A.G.C . . . . . 45 dB
(12) WHISTLE 3%
(13) SPURIOUS RESPONSE . . . . . 45 dB

C. FM SECTION

(1) TUNING RANGE. 87.5-108MHz
(2) USABLE SENSITIVITY. 1.9μV
(3) IF REJECTION . . . . . 70 dB
(4) IMAGE REJECTION. . . . . 50 dB
(5) S/N RATIO 68dB
(6) TOTAL HARMONIC DISTORTION. 1.5%
(7) AUDIO FIDELITY 30Hz-15KHz
(8) AM SUPPRESSION. 50dB
(9) SEPARATION (1 KHz) 40dB

D. TAPE SECTION

(a) PLAYBACK

(1) FREQUENCY RESPONSE 63Hz-12.5KHz
(2) S/N RATIO 50dB
(3) SEPARATION 45dB
(4) TOTAL HARMONIC DISTORTION. 1.5%

(b) RECORD/PLAYBACK

(1) FREQUENCY RESPONSE 63-12.5KHz
(2) S/N RATIO (DOLBY ON). . . . . 60 dB
(3) SEPARATION . . . . . 45 dB
(4) TOTAL HARMONIC DISTORTION. 2%
(5) ERASING EFFECT. . . . . 60 dB

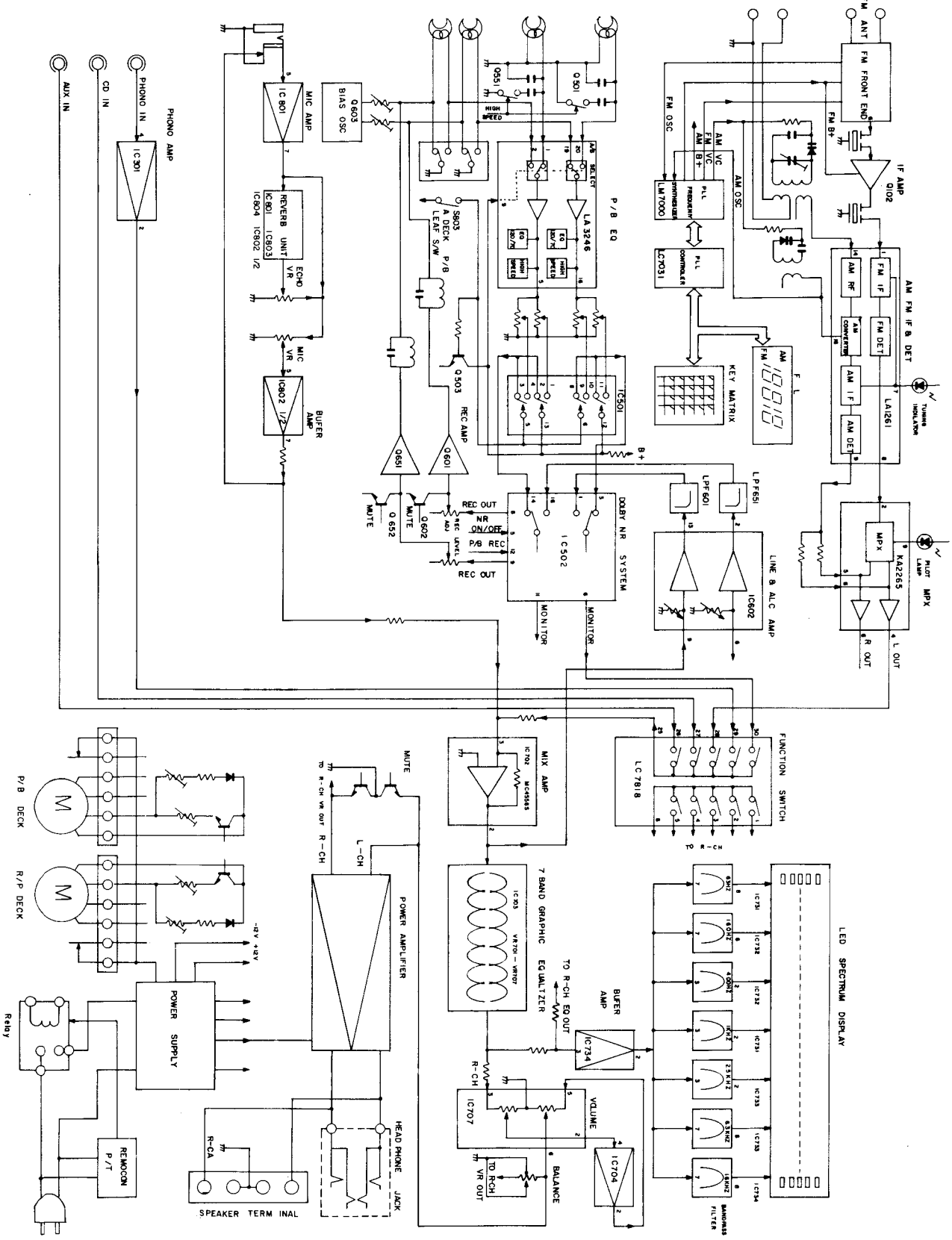
E. AUDIO SECTION

(1) OUTPUT POWER (THD 10%) 25W
(2) GRAPHIC EQ CONTROL
63Hz . . . . . 7 dB (±2)
125Hz . . . . . 7dB (±2)
400Hz . . . . . 7dB (± 2)
1KHz . . . . . 7dB (±2)
2KHz . . . . . 7dB (±2)
6.3KHz . . . . . 7dB (±2)
16KHz . . . . . 7dB (±2)
(3) S/N RATIO . . . . . .7dB (±2)
(4) CHANNEL SEPARATION 50dB
(5) FUNCTION CROSSTALK 50dB

F. GENERAL

(1) POWER REQUIREMENT
a. AC 120V 60Hz: UL/CSA VERSION
b. AC 220V 50Hz: EUROPE VERSION
c. AC 110/220V 60Hz: OTHERS
(2) UNIT DIMENSIONS
a. NET: 350(W) x 272(H) x 308(D)m/m
b. PACKED: 404 x 473 x 373
(3) UNIT WEIGHT
a. NET: 8.3KG
b. GROSS: 9.8KG

2. BLOCK DIAGRAM



3. ALIGNMENT PROCEDURE

A. TUNER SECTION

MW(AM) IF ADJUSTMENT

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR CONNECT TO	SET TUNING TO	ADJUST	ADJUST FOR
1	AM IF SWEEP GEN. AM EXT. ANT.	SWEEP CENTERED	OSCILLOSCOPE AM DET. OUTPUT OR SPEAKER TERMINAL	522	T202	MAXIMUM GAIN AND SYMMETRY

MW (AM) RF ADJUSTMENT

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR CONNECT TO	SET TUNING TO	ADJUST	ADJUST FOR
1	AM SIGNAL GEN.	5.22 KHz (MODULATED)	V.T.V.M	522 KHz (LOW END)	T103 (AM OSC COIL)	0.9V ±0.05
2	AM LOOP ANT	1611 KHz (MODULATED)	TEST POINT TP1	1611KHz (HIGH END)	TC103(AM OSC TRIMMER)	9V ±0.05
3	REPEAT STEPS 1 AND 2 TO OBTAIN FREQUENCY RANGE					
4	AM LOOP ANT	603KHz (MODULATED)	AM DET. OUTPUT OR SPEAKER TERMINAL	603KHz	T102 (AM ANT COIL)	MAXIMUM GAIN
5		1403KHz (MODULATED)	AM DET OUTPUT OR SPEAKER TERMINAL	1403KHz	TC101 (AM ANT TRIMMER	MAXIMUM GAIN
6	REPEAT STEPS 4 AND 5 TO MINIMIZE TRACKING ERROR AND ALSO STEP 3 IF NECESSARY.					

FM IF ADJUSTMENT

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR CONNECT TO	SET TUNING TO	ADJUST	ADJUST FOR
1	FM-IF SWEEP GEN FM IF INPUT	SWEEP CENTERED 10.7MHz	OSCILLOSCOPE FM DET. OUTPUT OR SPEAKER TERMINAL	87.5 MHz	T201	MAXIMUM OUTPUT AND SYMMETRY

FM RF ADJUSTMENT

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR CONNECT TO	SET TUNING TO	ADJUST	ADJUST FOR
1	FM SIGNAL GEN.	87.5MHz (MODULATED)	V.T.V.M.	87.5MHz (LOW END)	L4	1.5V±0.1
2	FM ANTE TERMINAL	108MHz (MODULATED)	FM FROT END "B_2" (TP2)	108MHz (HIGH END)		NOT USE
3	REPEAT STEPS 1 AND 2 TO OBTAIN FREQUENCY RANGE.					
4	FM ANT TERMINAL	90MHz (MODULATED)	FM DET. OUTPUT OR SPEAKER TERMINAL	90 MHz	L1 L2 L3	MAXIMUM GAIN
5		106MHz (MODULATED)	FM DET. OUTPUT OR SPEAKER TERMINAL	106MHz	C1, 2, 3 FM RF TRIMMER	MAXIMUM GAIN
6	REPEAT STEPS 4 AND 5 TO MINIMIZE TRACKING ERROR AND STEP 3 IF NECESSARY					

LW RF ADJUSTMENT

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR CONNECT TO	SET TUNING TO	ADJUST	ADJUST FOR
1	AM SIGNAL GEN. AM LOOP ANT.	153KHz (MODULATED)	V.T.V.M	153KHz (LOW END)	T104 (LW OSC COIL)	0.9V ±0.05
2		360KHz (MODULATED)	TEST POINT TP 4	360KHz (HIGH END)	TC104(LW OSC TRIMMER)	9V ±0.05
3	REPEAT STEPS 1 AND 2 TO OBTAIN FREQUENCY RANGE.					
4	AM LOOP ANT.	175KHz (MODULATED)	AM DET. OUTPUT OR SPEAKER TERMINAL	175KHz	T101 (LW ANT COIL)	MAXIMUM GAIN
5		320KHz (MODULATED)	AM DET. OUTPUT OR SPEAKER TERMINAL	320KHz	TC102 (LW ANT TRIMMER)	
6	REPEAT STEPS 4 AND 5 TO MINIMIZE TRACKING ERROR AND ALSO STEP 3 IF NCESSSARY.					

SEPERATION ADJUSTMENT (SETING; FUNCTION SW: FM STEREO)

STEP	SIGNAL SOURCE CONNECT TO	SET SIGNAL TO	CONNECT TO	SET DIAL TO	ADJUST	ADJUST FOR
1	FM SIGNAL GEN. FM ANT. TERMINAL	(UNMODULATED) 98MHz INPUT: 60dB MOD: PILOT: 7.5KHz MAIN: 67.5KHz	V.T.V.M FM DET. OUTPUT OR SPEAKER TERMINAL	98MHz	VR 305 (SEPERATION CONTROL)	MAXIMUM SEPERATION

B. DECK SECTION

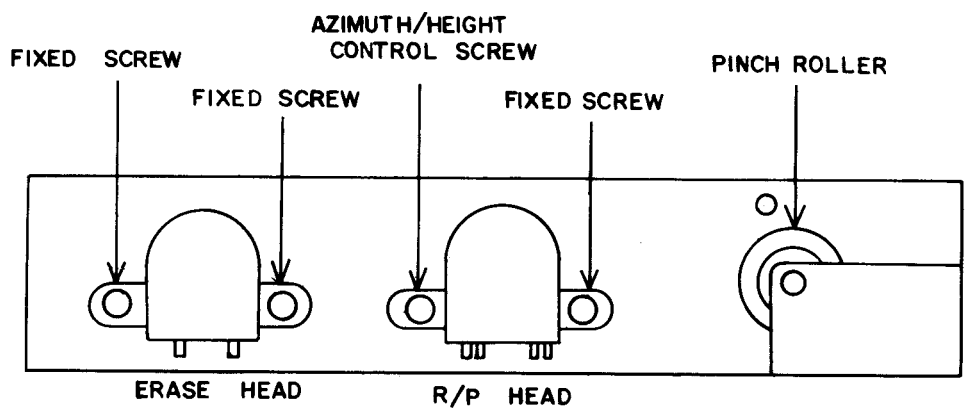
SPECIFICATION OF ADJUSTMENT FOR DOLBY CASSETTE DECK AMPLIFIER

o HEAD HEIGHT/AZIMUTH ADJUSTMENT

1. PURPOSE
   THE PURPOSE OF THIS ADJUSTMENT IS TO OBTAIN GOOD FREQUENCY RESPONSE AND TO IMPROVE CHANNEL BALANCE BY ADJUSTING HEAD TO THE PROPEREST POSITION.

2. METHOD
   THE HEAD HEIGHT/AZIMUTH ADJUSTMENT SCREW IS LOCATED ON THE LEFT SIDE OF R/P HEAD (SEE. FIGURE). BEFORE ADJUSTING, SEMI-FIXED RESISTOR SHOULD BE LOCATED AT THE MAXIMUM CONDITION.

   ADJUST HEAD AS FOLLOWS
   1) CONNECT 2CH VOLTMETER AND/OR OSCILLOSCOPE TO THE TAPE OUTPUT TERMINAL OF BOTH R CHANNEL AND L CHANNEL.
   2) PLAY 12.5kHz AZIMUTH TEST TAPE.
   3) WITH A SCREW DRIVE TURN ADJUSTMENT SCREW SLOWLY FOR THE MAXIMUM OUTPUT OF LEFT CHANNEL AND AT THE SAME TIME BOTH CHANNEL HAVE THE SAME PHASE.
   4) SEAL ADJUSTMENT SCREW WITH GLYPTAL OR OTHER SIMILAR NON-HARDENING CEMENT.



(FRONT VIEW)

3. CAUTION
   DO NOT APPLY PRESSURE DURING ADJUSTMENT BECAUSE IT MAY EFFECT ACCURACY.

PLAY-BACK

(1) MAGNETIC HEAD ADJUSTMENT

1. CONNECT 2-CH VTVM AND OSCILLOSCOPE TO OUT PUT L AND R
2. SET SWITCHING IC600 TO PLAY AND DOLBY SWITCH TO "OFF" POSITION
3. PLAY 12.5KHz AZIMUTH TEST TAPE. (MTT-215M)
4. USING THE ADJUSTMENT SCREW TO THE LEFT OF THE MAGNETIC HEAD, ADJUST FOR MAXIMUM VOLTAGE AND SAME PHASE.
5. AFTER ALIGNMENT, LOCK THE ADJUSTING SCREW IN POSITION USING LOCKING COMPOUND.

(2) PLAYBACK LEVEL ADJUSTMENT

PLAY BACK LEVEL MEANS OUTPUT LEVEL OF DOLBY IC WHEN PLAY DOLBY-LEVEL SET TAPE (MTT-150-200nWb/m)

A. DECK

THE ADJUSTMENTS ARE LOCATED ON THE TAPE CIRCUIT BOARD AND EACH CHANEL MUST BE PERFORM THE OUTPUT LEVEL ADJUSTMENT AS FOLLOWS.

1. SET SWITCHING IC600 TO PLAY AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT A VTVM AND AN OSCILLOSCOPE TO TP502 AND TP522.
3. PLAY DOLBY LEVEL SET TAPE (MTT-150).
4. ADJUST THE LEVEL TO245mV ±0.25dB, USING SVR 502 (R-CH551).
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

B. DECK

THE ADJUSTMENTS ARE LOCATED ON THE TAPE CIRCUIT BOARD AND EACH CHANEL MUST BE PERFORM THE OUTPUT LEVEL ADJUSTMENT AS FOLLOWS.

1. SET SWITCH IC600 TO PLAY AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT A VTVM AND AN OSCILLOSCOPE TO TP501 AND TP522.
3. PLAY DOLBY LEVEL SET TAPE (MTT-150).
4. ADJUST THE LEVEL TO245mV ±0.25dB, USING SVR 502 (R-CH SVR 551).
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

REC-PLAY

(1) RECORDING SIGNAL CURRENT ADJUSTMENT

1. SET SWITCHING IC600 TO RECORD, Nor/CrO_2/METAL SWITCH TO "OFF", AND DOLBY SWITCH TO "OFF" POSITION.
2. DISCONNECT THE +B LINE FROM OSCILLATOR SO THAT IT CAN NOT OSCILLATE WHILE RECORDING (IT CAN BE DONE EASILY BY TAKING LEAD FASTEN OF +B LINE OFF)
3. CONNECT THE VTVM AND THE OSCILLOSCOPE BETWEEN TP601 (R-CH TP651) AND GROUND.
4. SUPPLY DOLBY-LEVEL INPUT SIGNAL OF 400Hz 245mV.
5. ADJUST SVR602 (R-CH652) UNTIL VTVM INDICATES 6.0mV OF READING.
7. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

(2) PEAKING COIL ADJUSTMENT

1. SET SWITCHING IC600 TO RECORD AND DOLBY SWITCH TO "OFF" POSITION.
2. DISCONNECT THE +B LINE FROM OSCILLATION SO THAT IT CAN NOT OSCILLATE WHILE RE CORDING (IT CAN BE DONE EASILY BY TAKING LEAD FASTEN OF + B LINE)
3. CONNECT THE VTVM AND THE OSCILLOSCOPE BETWEEN TP601 (R-CH TP651) AND GROUND.
4. SUPPLY 150mV SIGNAL OF 1KHz THROUGH INPUT AND ADJUST OSCILLATOR ATTENUATOR FOR VTVM INDICATE –25dB.
5. CHANGE SIGNAL FROM 1KHz TO 14KHz.
6. ADJUST L605 (R-CH L608) FOR VTVM INDICATE MAXIMUM LEVEL AT 14KHz.
7. SET SWITCH S605 TO ON S603 TO HI AND SIGNAL IN PUT LEVEL 30mV, TP501 TP551.
8. CHANGE SIGNAL FROM 1KHz TO 25KHz
9. ADJUST L606 (R-CH L607) FOR VTVM INDICATE MAXIMUM LEVEL AT 25KHz.

(3) BIAS TRAP COIL ADJUSTMENT

1. SET SWITCHING IC600 TO RECORD, DOLBY SWITCH TO "OFF" POSITION AND TAPE SELEC TOR FOR "NORMAL" POSITION.
2. CONNECT THE VTVM AND OSCILLOSCOPE BETWEEN TP602, TP652 AND GROUND.
3. ADJUST L602 (R-CH L652) FOR VTVM INDICATE MINIMUM LEVEL.
4. REPEAT ABOVE PROCEDURE FOR OTHER CHANEL.

(4) BIAS FREQUENCY ADJUSTMENT

1. SET SWITCHING 600 TO RECORD AND Nor/CrO_2 TO "NORMAL" POSITION.
2. INPUT SIGNAL IS NOT NECESSARY FOR THIS ADJUSTMENT.
3. CONNECT THE FREQUENCY COUNTER TO TP601 AND GROUND.
4. ADJUST L604 FOR A READING OF 105KHz ON THE COUNTER.

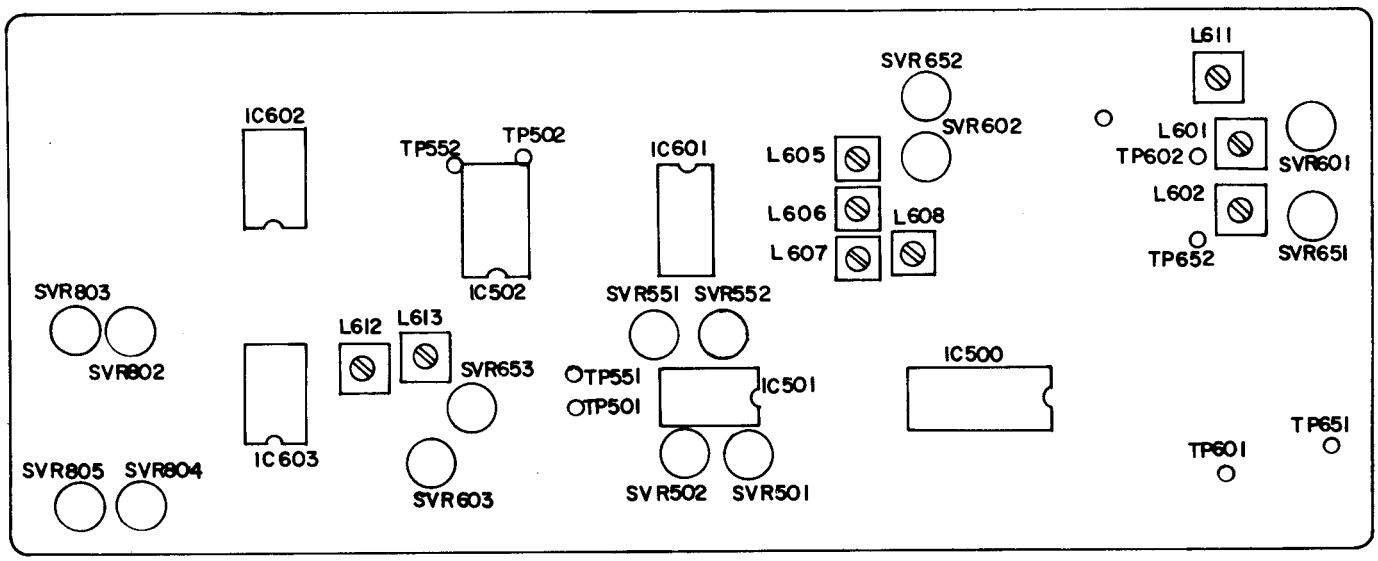
(5) BIAS CURRENT ADJUSTMENT

1. SET SWITCHING IC600 TO RECORD AND DOLBY SWITCH TO "OFF" POSITION.
2. CONNECT THE VTVM AND OSCILLOSCOPE BETWEEN TP601 (R-CH TP651) AND GROUND.
3. SET TAPE SELECTOR TO "NORMAL" POSITION.
4. ADJUST SVR 601 UNTIL VTVM INDICATES 42mV OF READING.
5. REPEAT ABOVE PROCEDURE FOR THE OTHER CHANNEL.

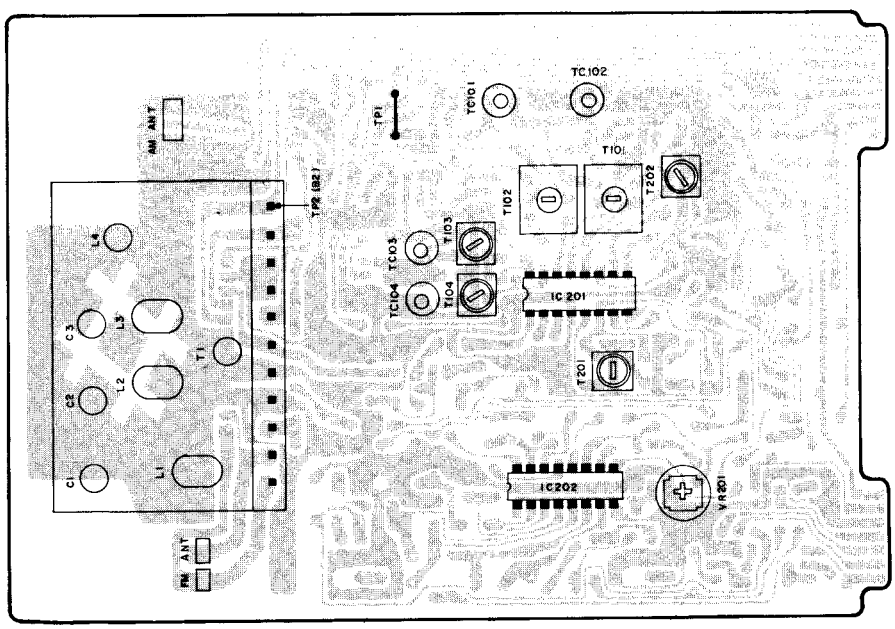
* WHEN SELECTOR SWITCH OF TAPE CHANGED CrO_2, CHECKED VOLTAGE VARIATION, CrO_2 IS ABOUT 62mV.

4. ADJUSTABL LOCATION LAYOUT

A. TAPE

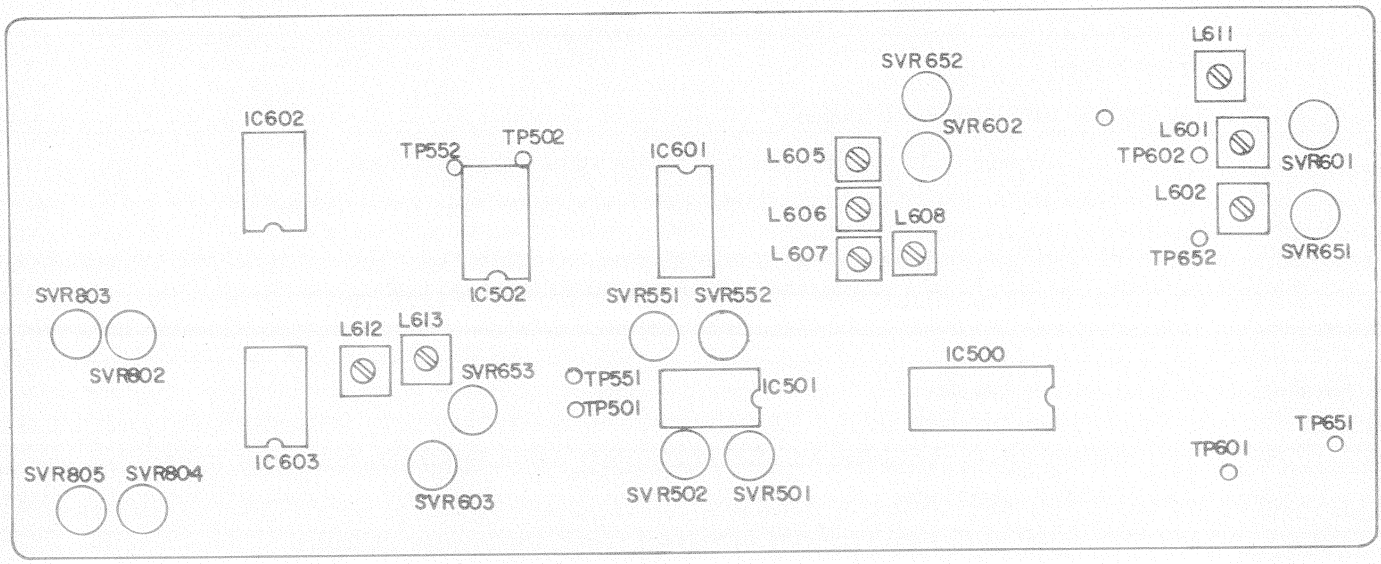


B. TUNER

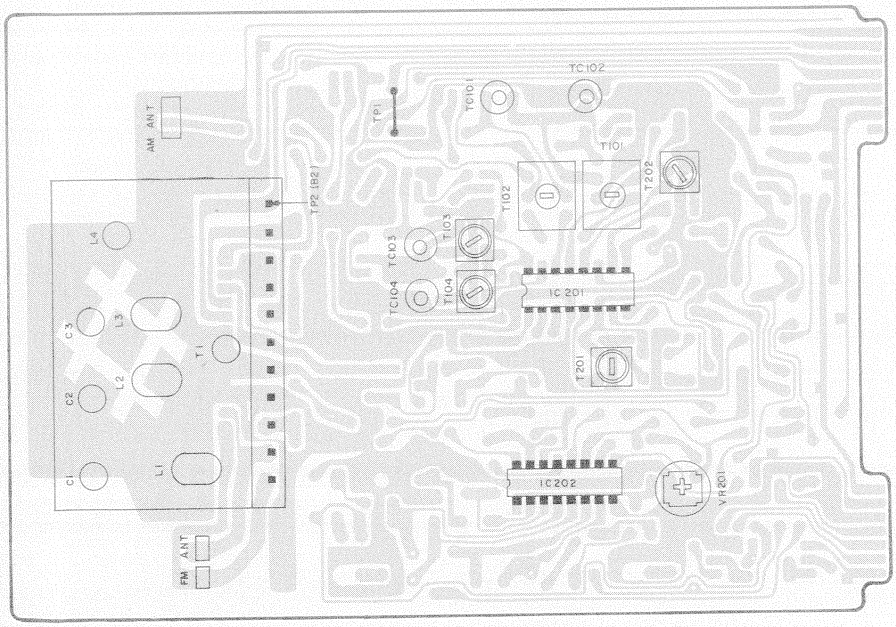


4. ADJUSTABL LOCATION LAYOUT

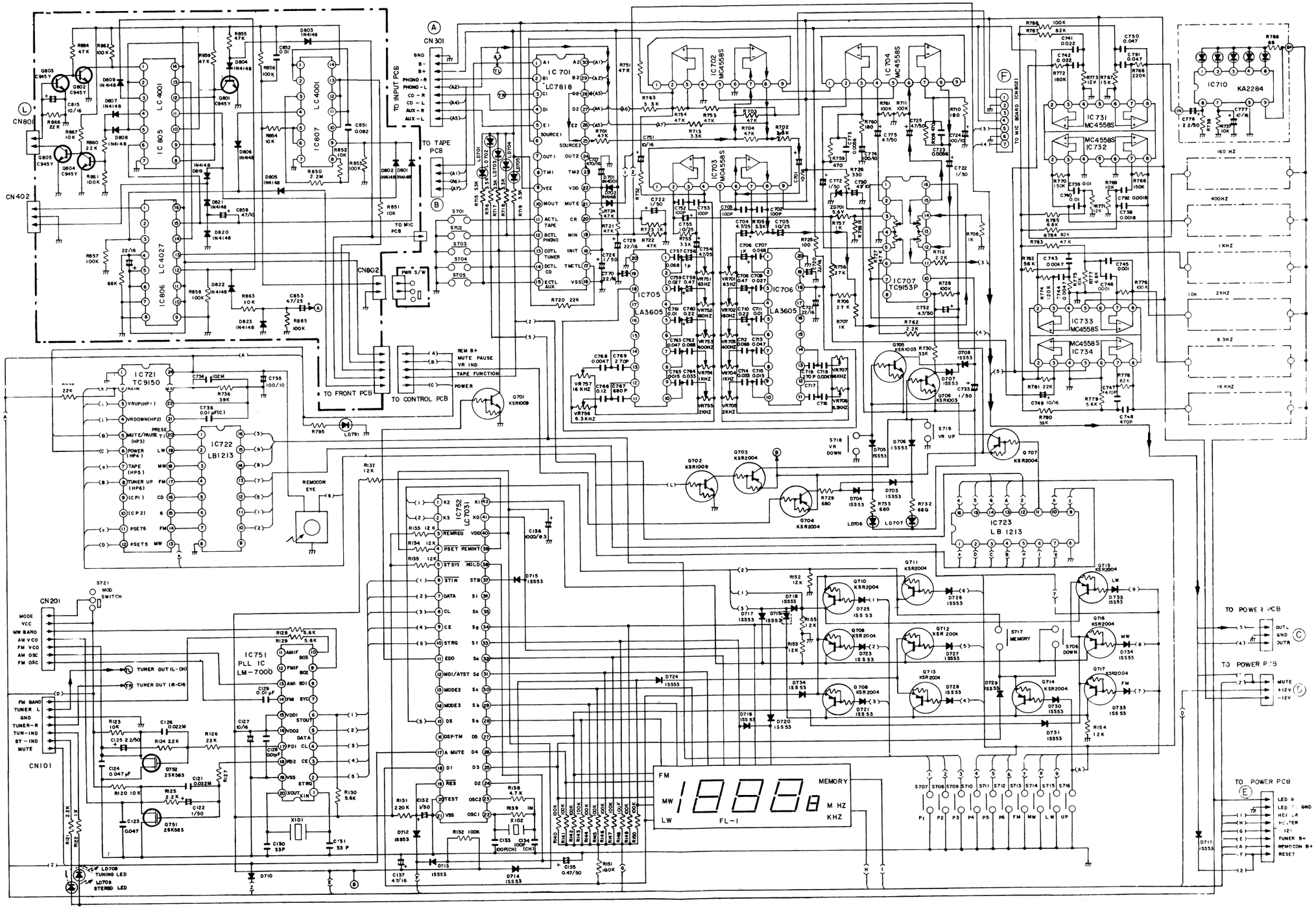
A. TAPE



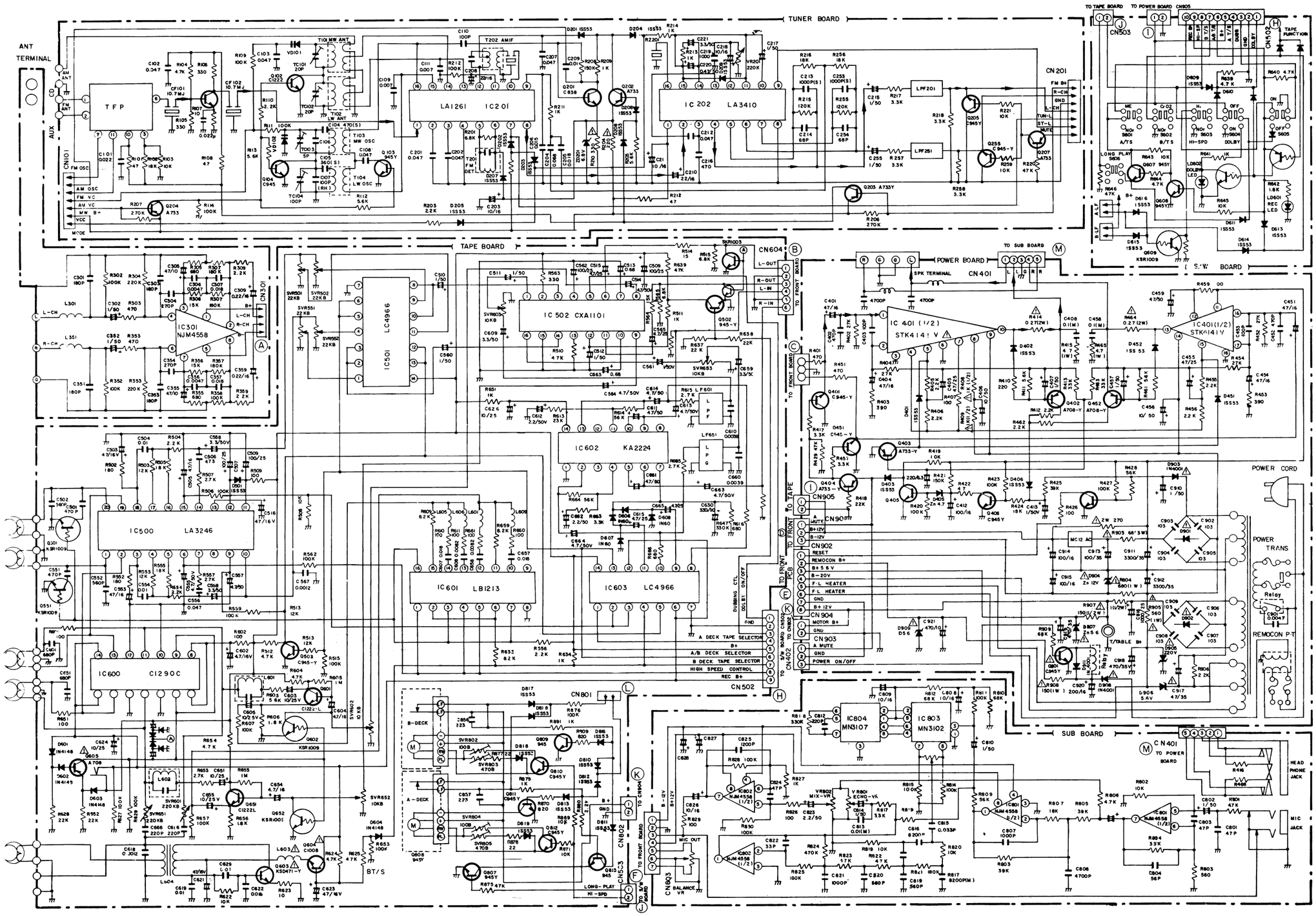
B. TUNER



5. SCHEMATIC DIAGRAM(A)

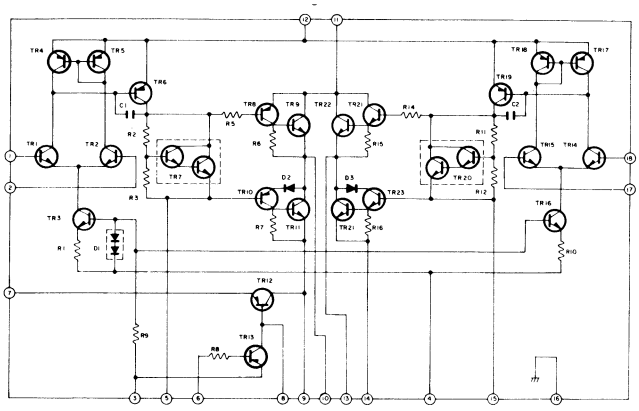


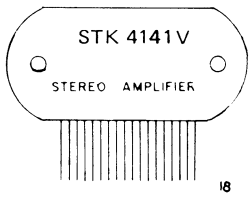
SCHEMATIC DIAGRAM (B)



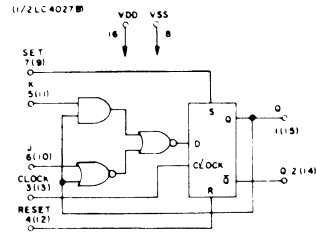
6. IC TR CONFIGURATION

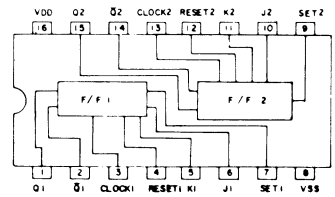
IC401 STK4141-V

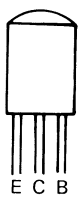




IC806 LC4027B



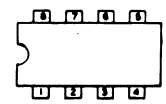


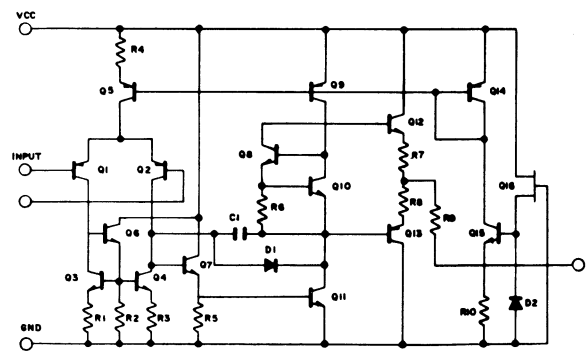


Q501, Q551, Q502, Q552, Q505, Q555
Q602, Q652, Q701, Q702, Q705, Q706
KSR 1003

IC801, IC802

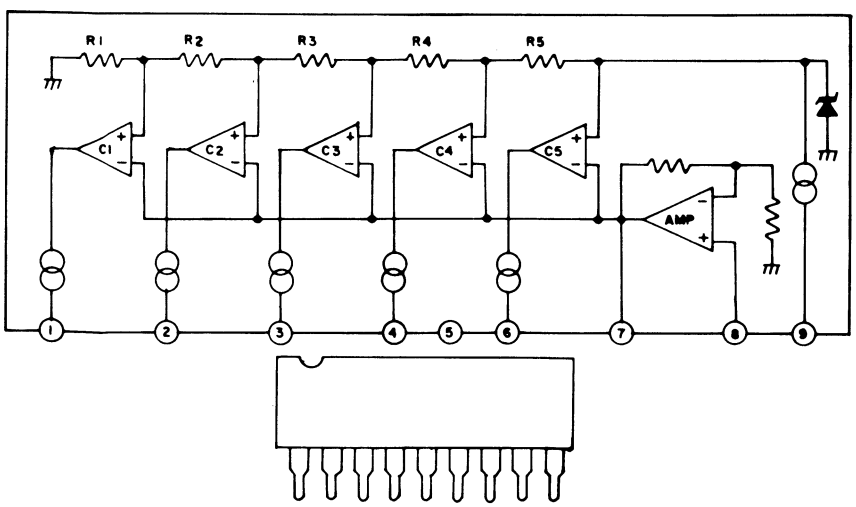
MC4558C

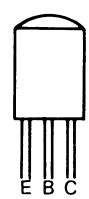




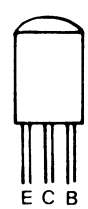
IC710, IC701, 702, 703, 704, 705

KA2284



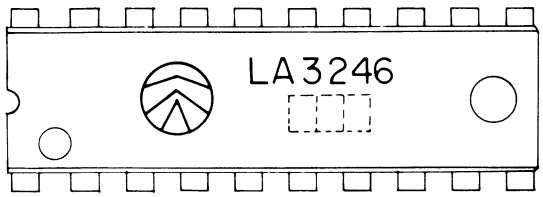


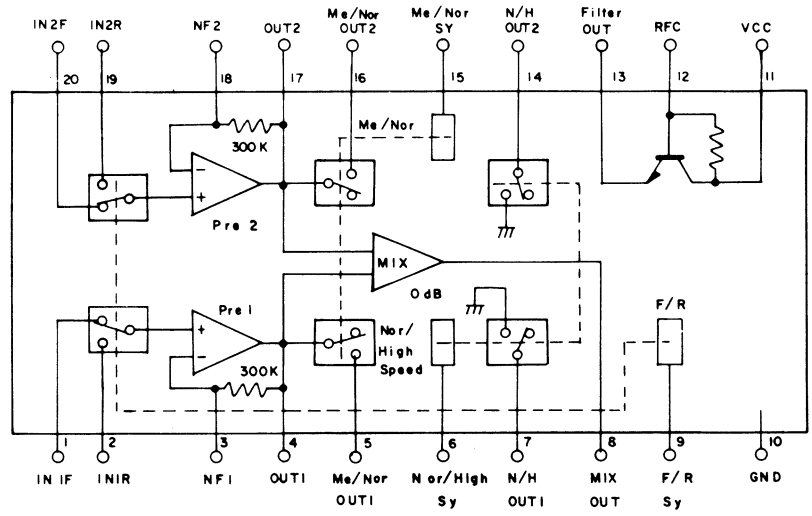
Q205, Q206, Q401, Q451
Q405, Q406, Q407, Q503
Q801, Q802, Q803, Q804
Q805, Q807, Q809, Q810
Q811, Q812, Q813, Q814
KSC945-Y

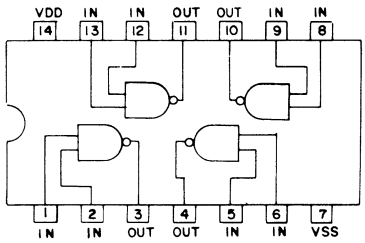


Q703, Q704, Q707, Q708
Q709, Q710, Q711, Q712
Q713, Q714, Q715, Q717
KSR2004

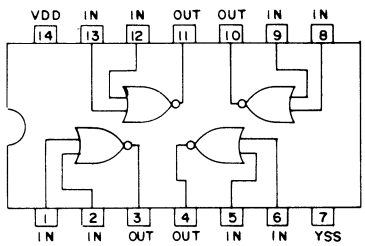
LA 3246





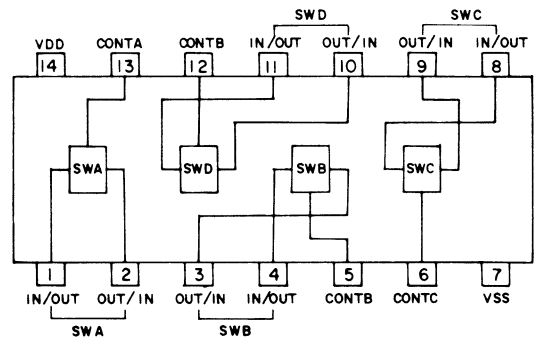


LC4011

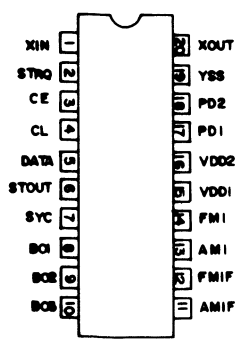


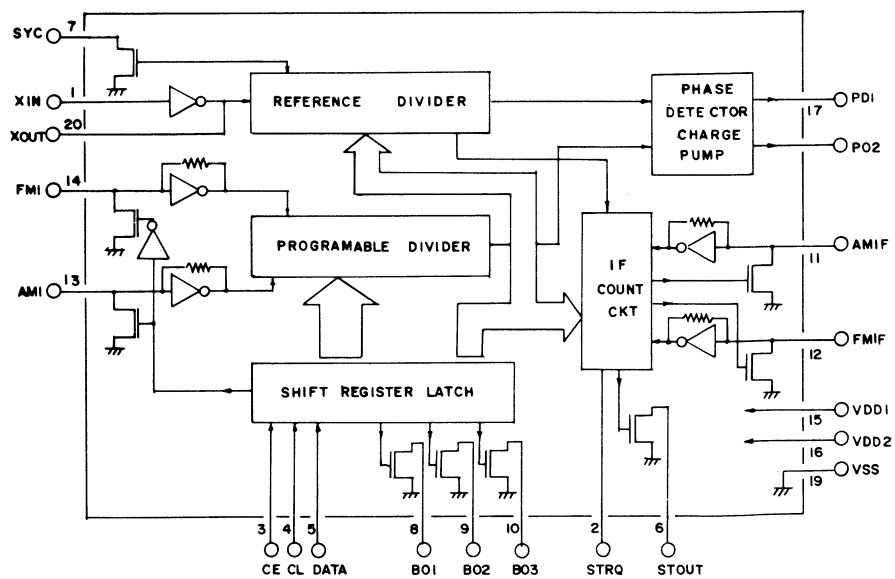
LC4001

LC4966

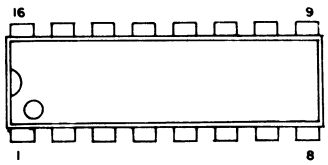


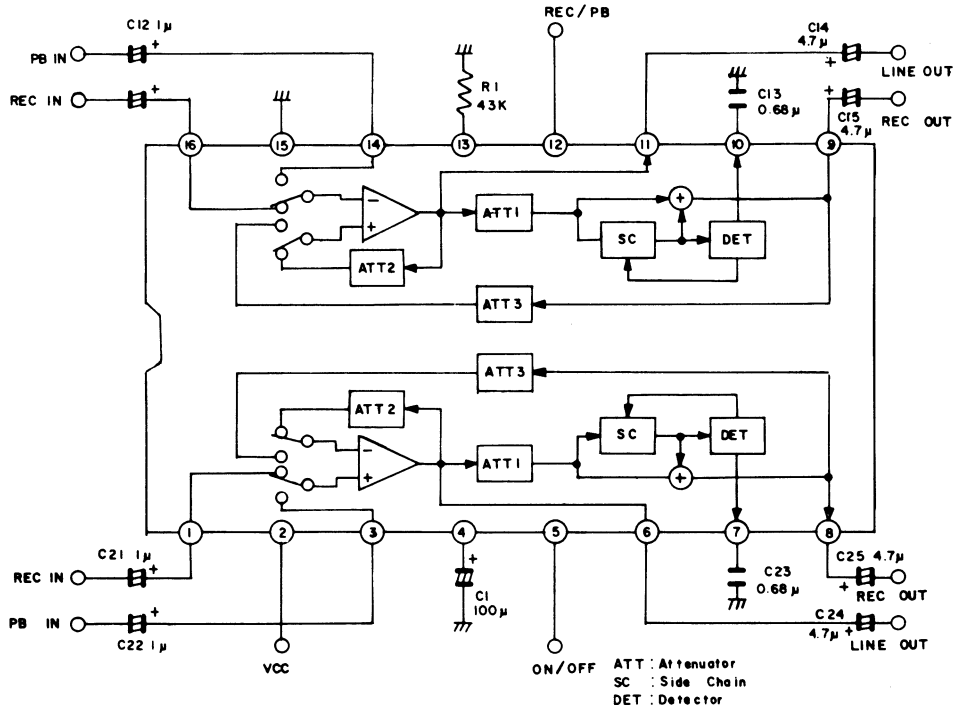
IC751 LM7000



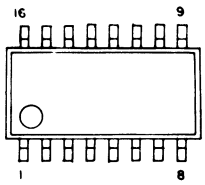


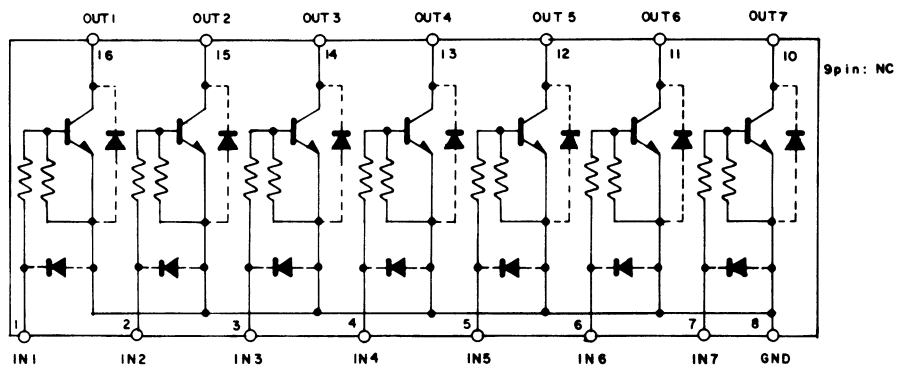
CXA-1101



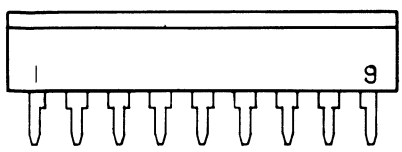


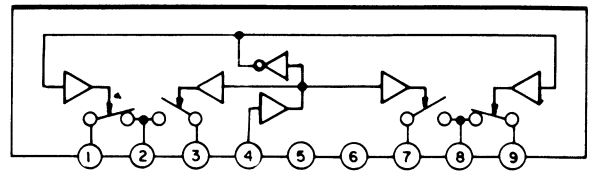
LB 1213



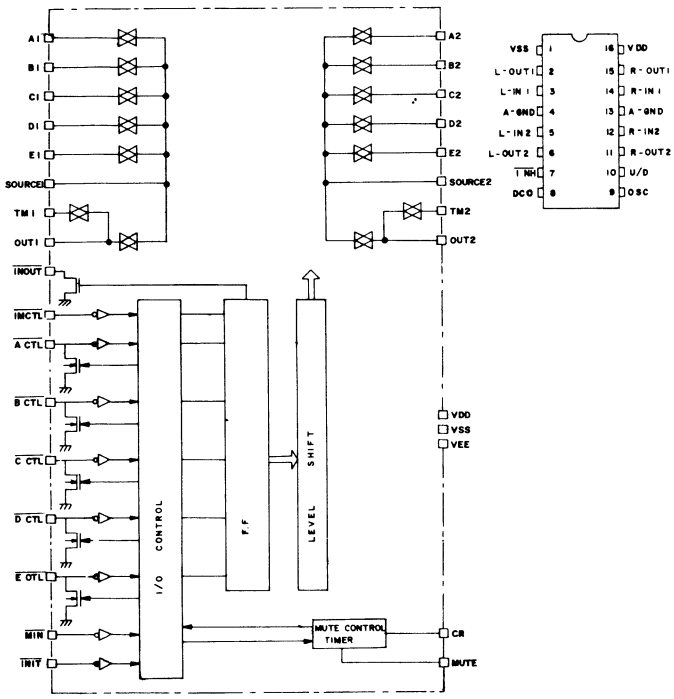


μPC 1330H

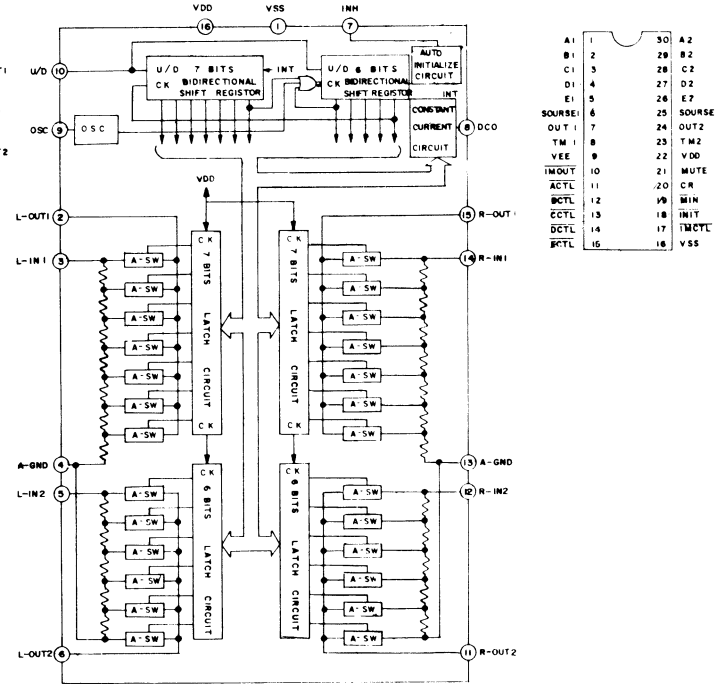




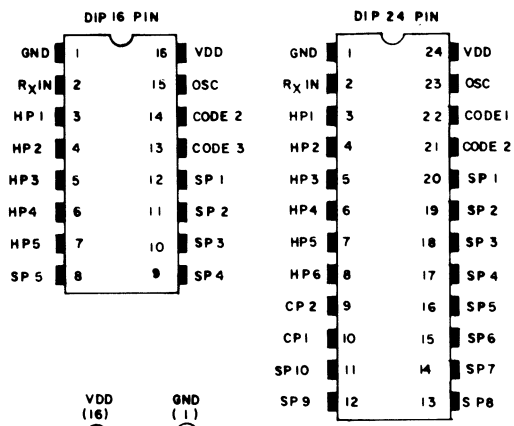
LC7818



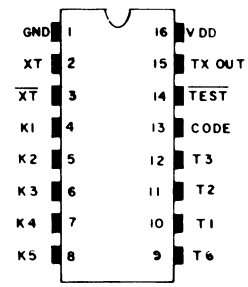
TC9153 AP

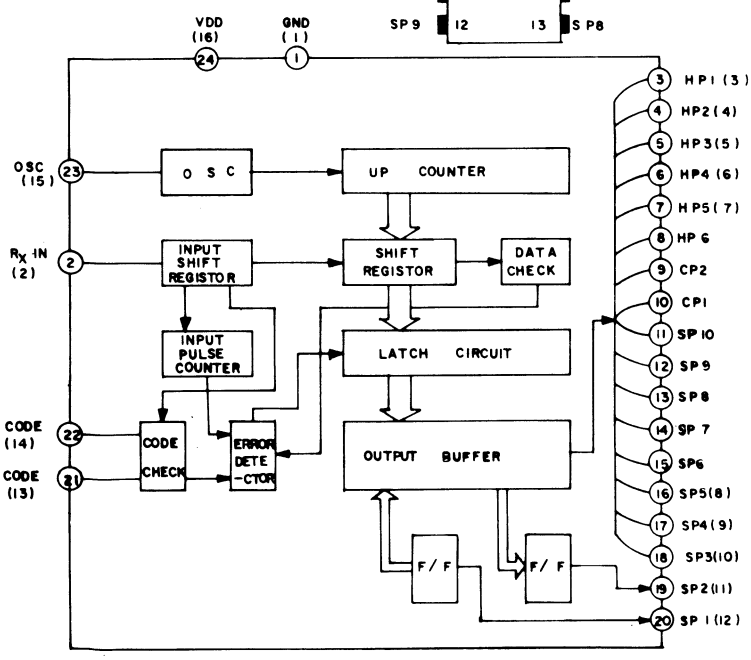


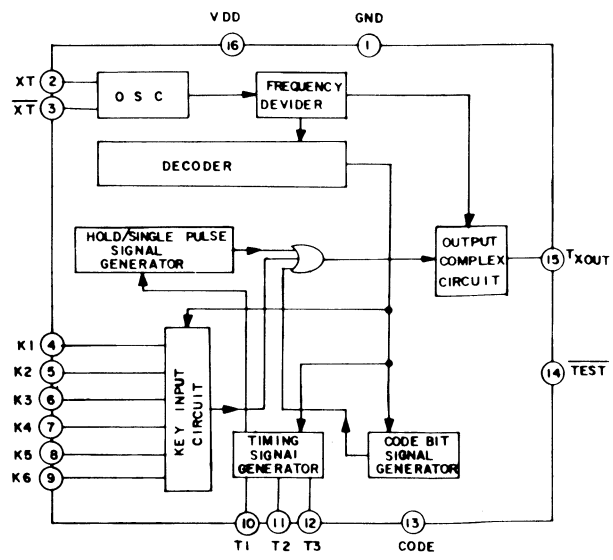
TC9149P (TC9150P)



TC9148







7. IC VOLTAGE READINGS

IC 201 (LA 1261)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V (FM)	1.52	1.52	1.52	0	6.0	6.0	10.5	1.4	1.4	1.5	0.7	4.9	0	0	2.3	2.3
V (AM)	1.0	1.0	1.0	0	6.0	6.0	11.4	1.6	1.4	1.0	0.7	6.2	1.3	1.3	2.3	2.3

IC 202 (LA 3410)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	11.4	3.2	3.3	3.0	3.2	3.2	3.0	0	11	2.2	5.4	3.2	4.0	2.9	4.8	2.8

IC 301 (MC 4558)

PIN NO.	1	2	3	4	5	6	7	8
V	12.1	0	0	0	−10.4	0	0	0

IC 401 (STK 4141V)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	−28	−1.3	0	−30	−30	−30	0	30	28	0	−31	−1.3	0
PIN NO.	17	18														
V	0	0														

IC 500 (LA 3246)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	5.0	5.0	0	0	0	0	0	10.9	10.9	10.1			4.9
PIN NO.	17	18	19	20												
	4.9	0.5	0	0												

IC 501 (LC 4966)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	0	0.4	0.4	0	11.4	11.4	0	0	0	0	0	0	0	12.1

IC 502 (CXA1101)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	5.4	10.6	5.4	5.4	11.4	5.4	0.4	5.4	5.4	0.3	5.4	2.1	1.2	5.4	0	5.4

IC 600 (μPC 1330H)

PIN NO.	1	2	3	4	5	6	7	8	9
V	0	0	0	0	0	9.8	0	0	0

IC 601 (LB 1213)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	4.7	0	0	0	4.7	0	0	0	0	0	0	0	0	4.7

IC 602 (KA2224)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	0	0	0	3.9	3.8	2.1	0	0	2.0	3.8	3.9	0	3.9	7.8

IC 603 (LC 4966)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	0	0	0	0	0	0	0	0	0	0	0	0	0	0

IC 701 (LC 7818)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	0	0	0	0	0	−10.9	0	0	10.8	10.8	10.8	10.8	0
PIN NO.	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
V	12.1	7.9	6.1	0	0	11.6	0	0	0	0	0	0	0	0		

IC 702-3 (MC 4558)

PIN NO.	1	2	3	4	5	6	7	8	9
V	0	0	0	0	−10.9	0	0	0	12

IC 710-6 (KA 2284)

PIN NO.	1	2	3	4	5	6	7	8	9
V	11	11	11	11	0	11	0	0	12.4

IC 731-4 (MC 4558)

PIN NO.	1	2	3	4	5	6	7	8	9
V		0	0	0	−10.9	0	0	0	12.1

IC 751 (LM 7000)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	1.0	0	0	0	5.5	0	0	0	0.8	0.4	0	0	0	2.9	5.7	5.7
PIN NO.	17	18	19	20												
V	0	0	0	1.6												

IC 752 (LC 7031)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	5.6	5.0	5.6	5.6	0	0	0	0	0	0	0	0	0	0
PIN NO.	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
V	−1.0	−15.1	5.5	0	0	2.5	0	−14.9	−14.9	−14.9	−14.9	−7.3	−3.7	−3.7	−15.1	−12.2
PIN NO.	33	34	35	36	37	38	39	40	41	42						
V	−15	−18.8	0	0	1.4	5.5	5.6	5.0	0	0						

IC 803 (MN 3207)

PIN NO.	1	2	3	4	5	6	7	8
V	0	4.5	4.5	8.5	9.1	4.5	5.1	5.1

IC 704 (MC 4558)

PIN NO.	1	2	3	4	5	6	7	8
V	12.1				−10.9			

IC 705-6 (LA 3605)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	5.3	4.7	5.3	4.7	5.3	4.7	5.3	4.7	5.3	4.7	5.3	4.7	5.3	4.7	0	0
PIN NO.	17	18	19	20												
V	0	10.5	5.6	0												

IC 707 (TC 915312)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	5.7	0	0	0	0	0	5.7	0	5.7	5.7	0	0	0	0	0	5.7

IC 721 (TC 9150)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	0	0	0	0	0	0	0	0	0	5.4	0	0	0
PIN NO.	17	18	19	20	21	22	23	24								
V	0	0	0	0	0	0	0	0								

IC 722 (LB 1213)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	0	0	0	0	0	0	2.0	2.1	10.7	2.2	2.2	2.2	0

IC 723 (LB 1213)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	0	0	0	0	0	0	1.1	0	0	0	5.4	0.1	1.9	1.9	2.3	2.3

IC 804 (MN 3102)

PIN NO.	1	2	3	4	5	6	7	8
V	9.1	4.5	0	4.5	4.7	4.6	4.6	8.5

IC 805 (LC 4001)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	0	5.4	0	0	5.4	0	0	0.4	0	5.4	0	0	5.4	5.4

IC 806 (LC 4027)

PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
V	5.2	0	0	0	5.4	5.4	0	0	0	5.4	5.4	0	0	5.4	0	5.4

IC 807 (LC 4011)

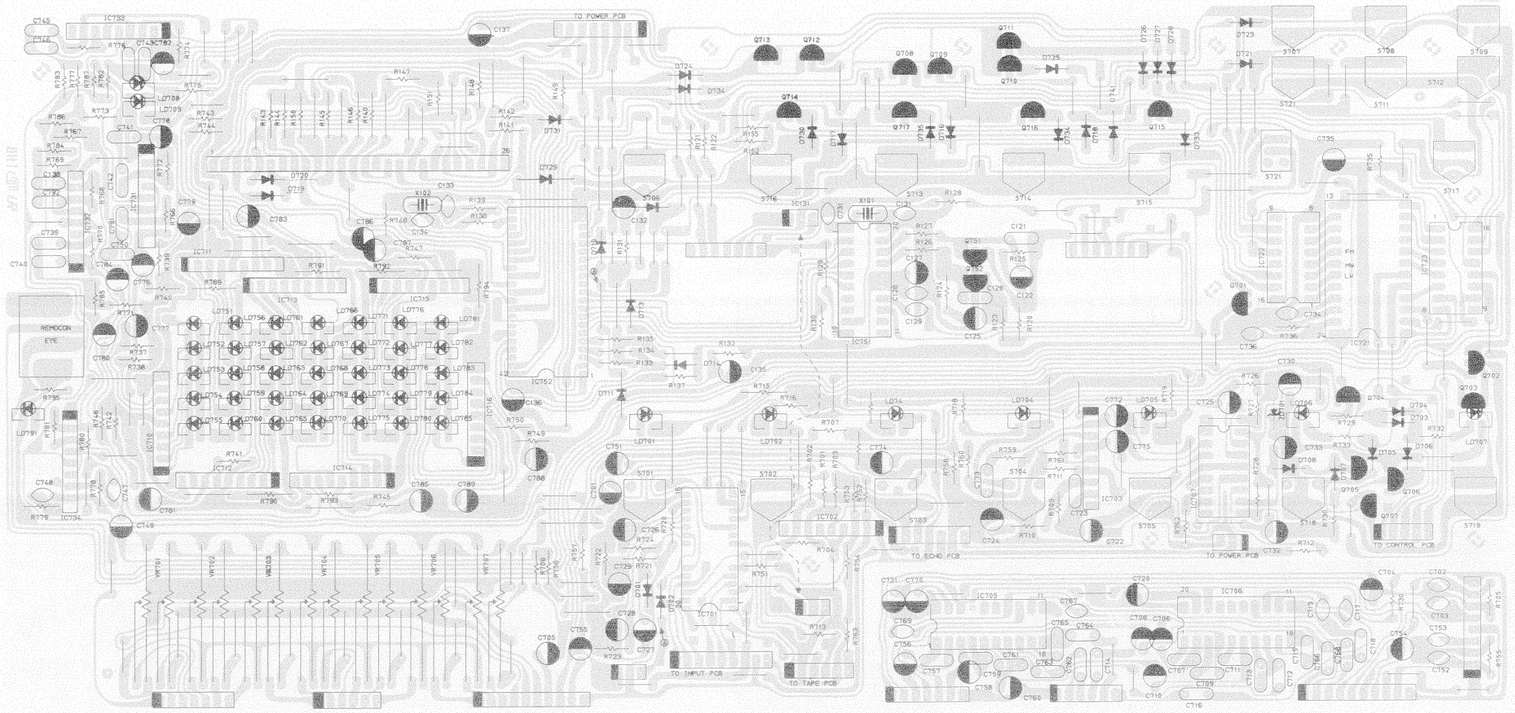
PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	0	0	5.4	0	5.4	5.4	0	4.4	0	5.4	0	5.4	5.4	5.4

TRANSISTOR

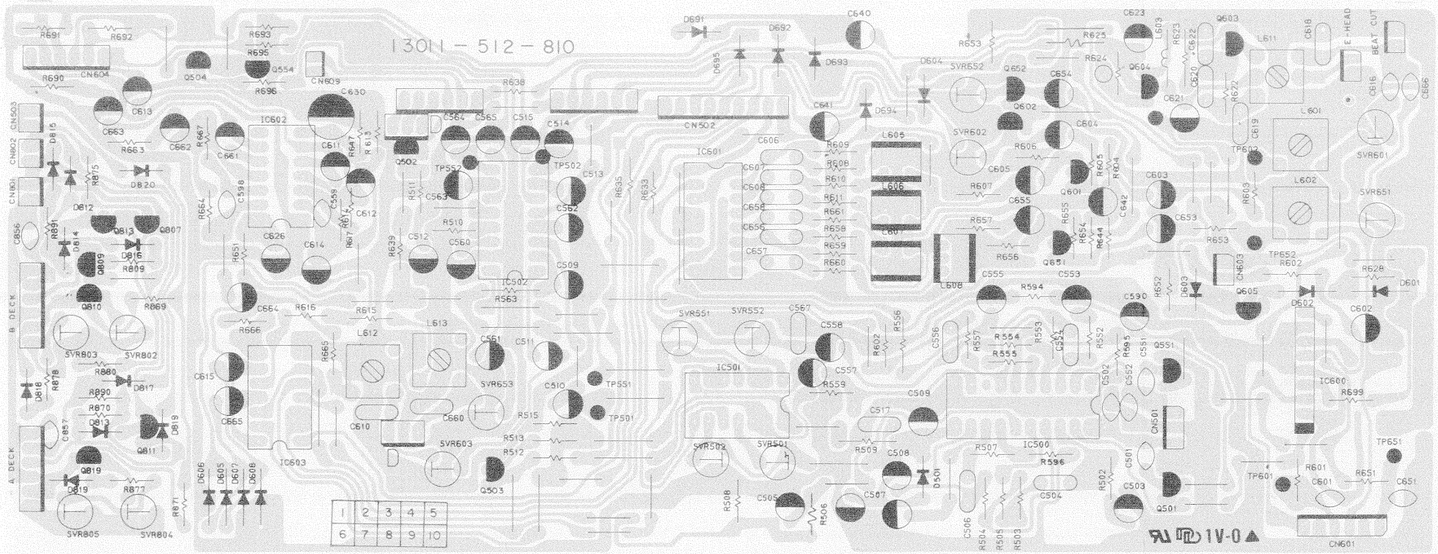
LOCATION NO.	E	B	C	LOCATION	E	B	C	LOCATION	E	B	C
Q101	0.2	0.9	2.1	Q406	0	−5.6	3.3	Q811	0	0.7	0
Q201	0.7	1.4	4.6	Q407	0	−4.7	5.8	Q812	8.7	3.9	11.2
Q202	6.7	8.3	0.8	Q901	0	0.7	0	Q801	0	0.6	0
Q203	12.1	11.3	11.9	Q601(51)	2.2	2.7	5.3	Q802	0	0.6	0
Q401	0	0	0	Q605	11.5	10.9	0	Q803	0	0	0.6
Q451	0	0	0	Q607	12.1	11.7	12.1	Q804	0	0.6	0
Q402	0	0	−11.7	Q608	0	0	12.1	Q805	0	0	5.6
Q452	0	0	−11.7	Q807	0	0	5.9	Q809	0	0	11.2
Q403	−1.9	0	0	Q404	−1.2	0	0	Q810	12.3	3.8	12.3
Q405	0	0.6	0	Q701	0	0	10.7	Q707	5.4	5.4	5.4
Q713	2.3	0	2.3	Q702	0	0	5.4	Q708	1.9	0	1.9
Q714	2.3	0	2.3	Q703	5.4	5.4	5.4	Q709	1.9	0	1.9
Q715	2.3	0	2.3	Q704	5.7	−4	5.5	Q710	2.3	0	2.3
Q716	2.3	0	2.3	Q705	−5.7	5.4	−5.7	Q711	2.3	0	2.3
Q717	2.3	0	2.3	Q706	−5.7	5.6	−5.7	Q712	2.3	0	2.3

8. PCB PATTERN AND MARKING

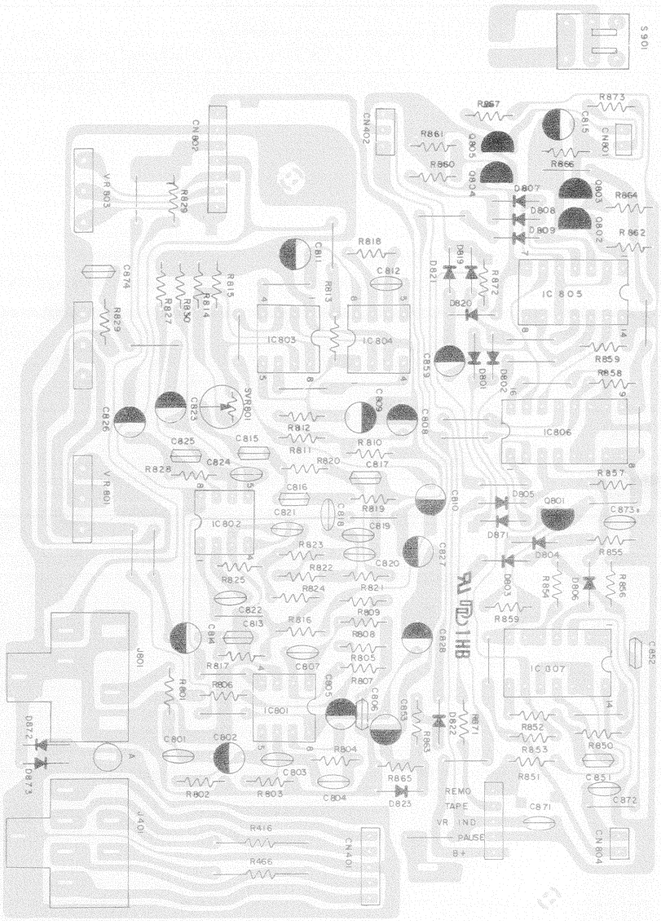
A. FRONT PCB



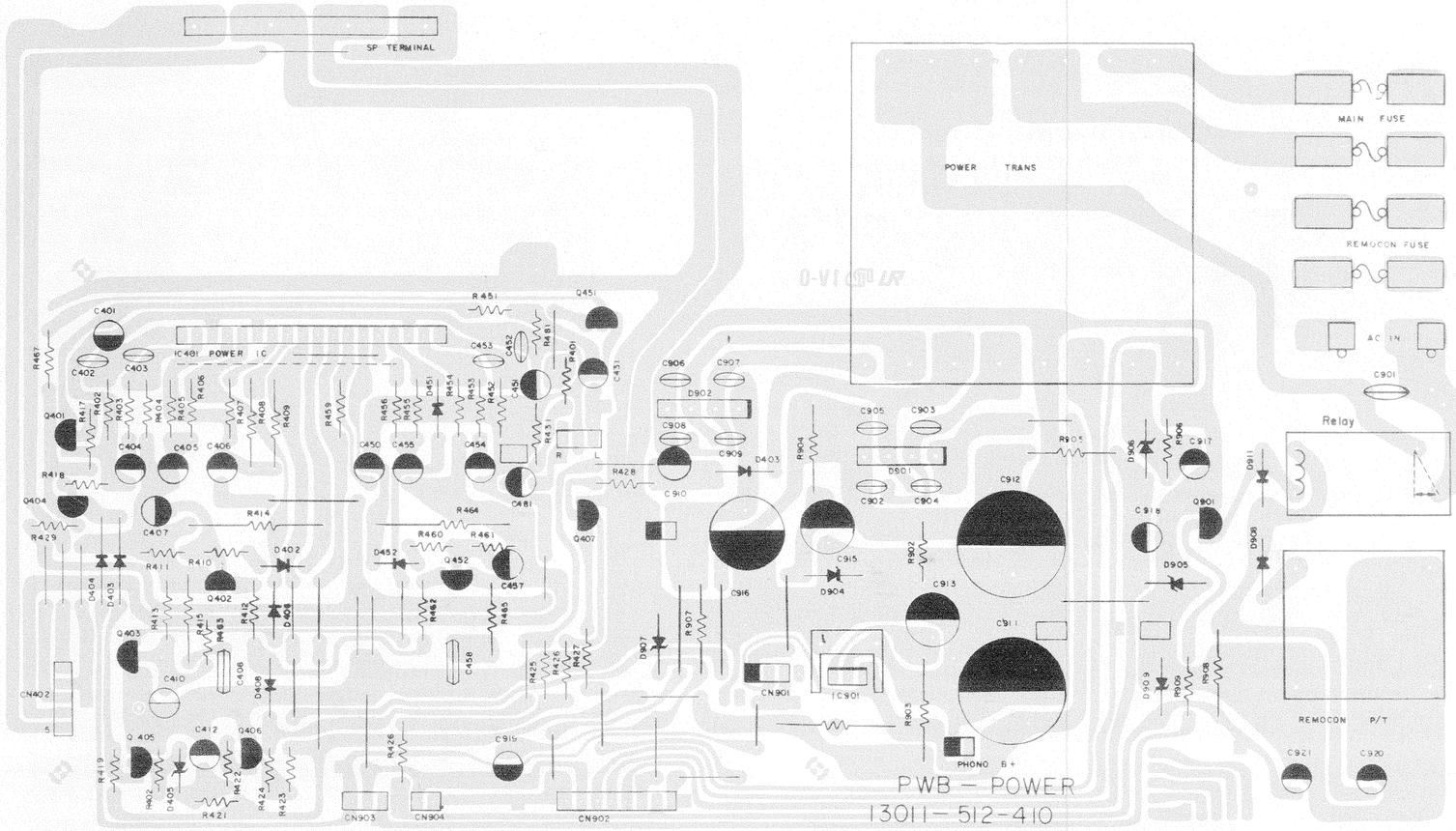
B. TAPE PCB



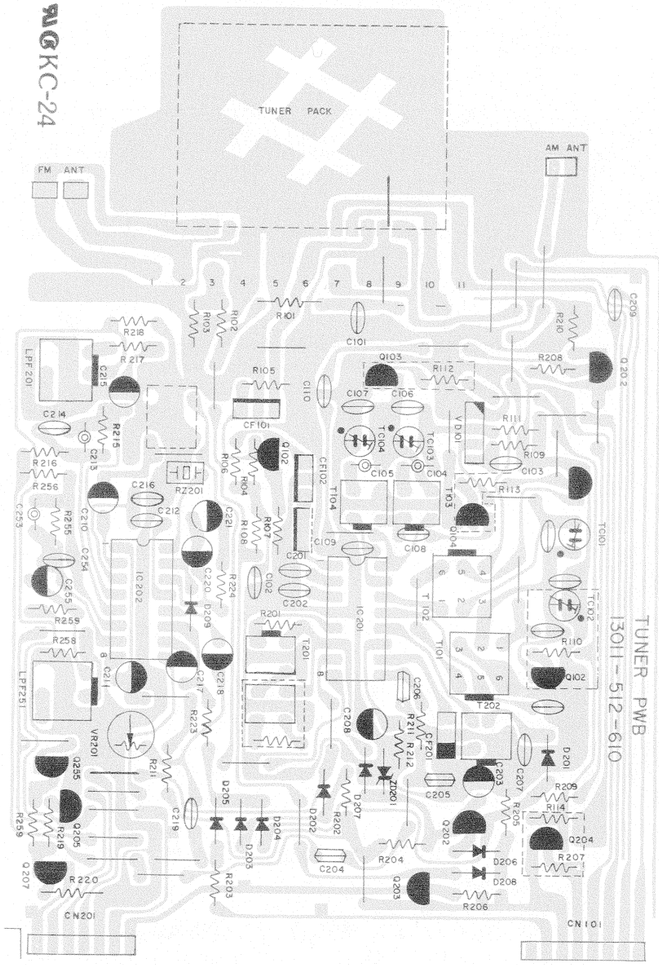
C. ECHO PCB



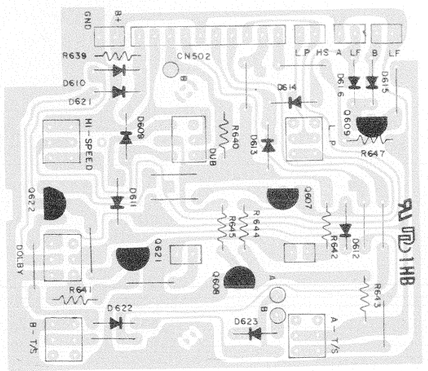
D. POWER PCB



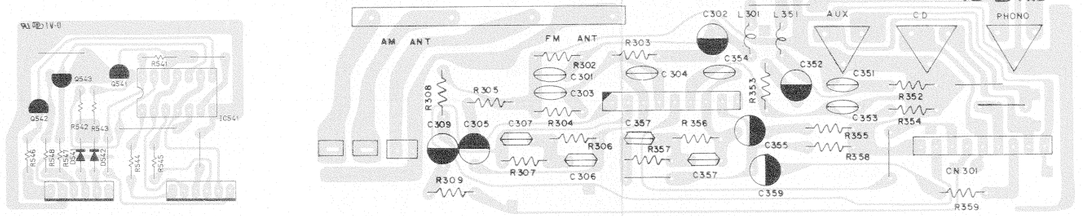
E. TUNER PCB



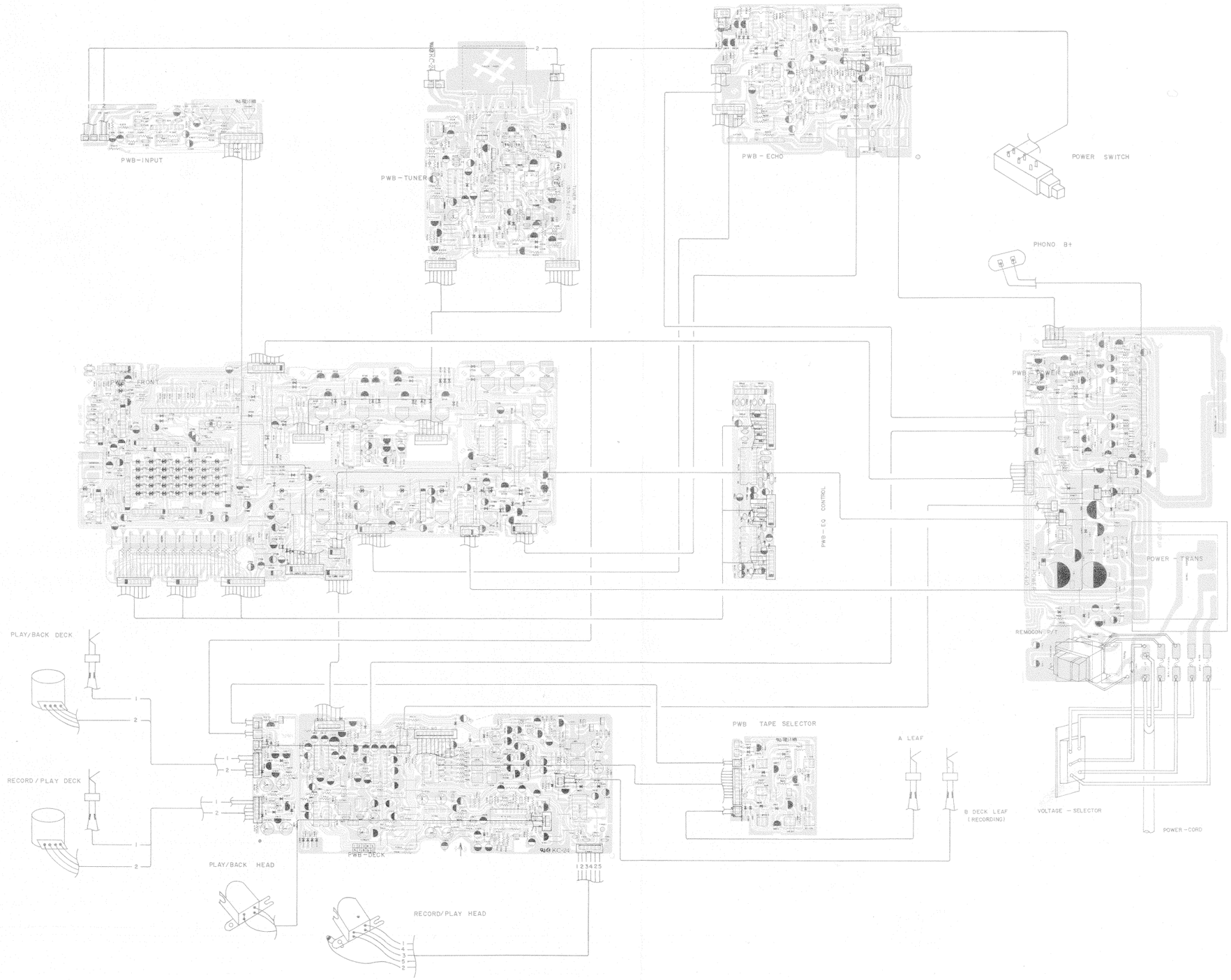
F. SWITCH PCB



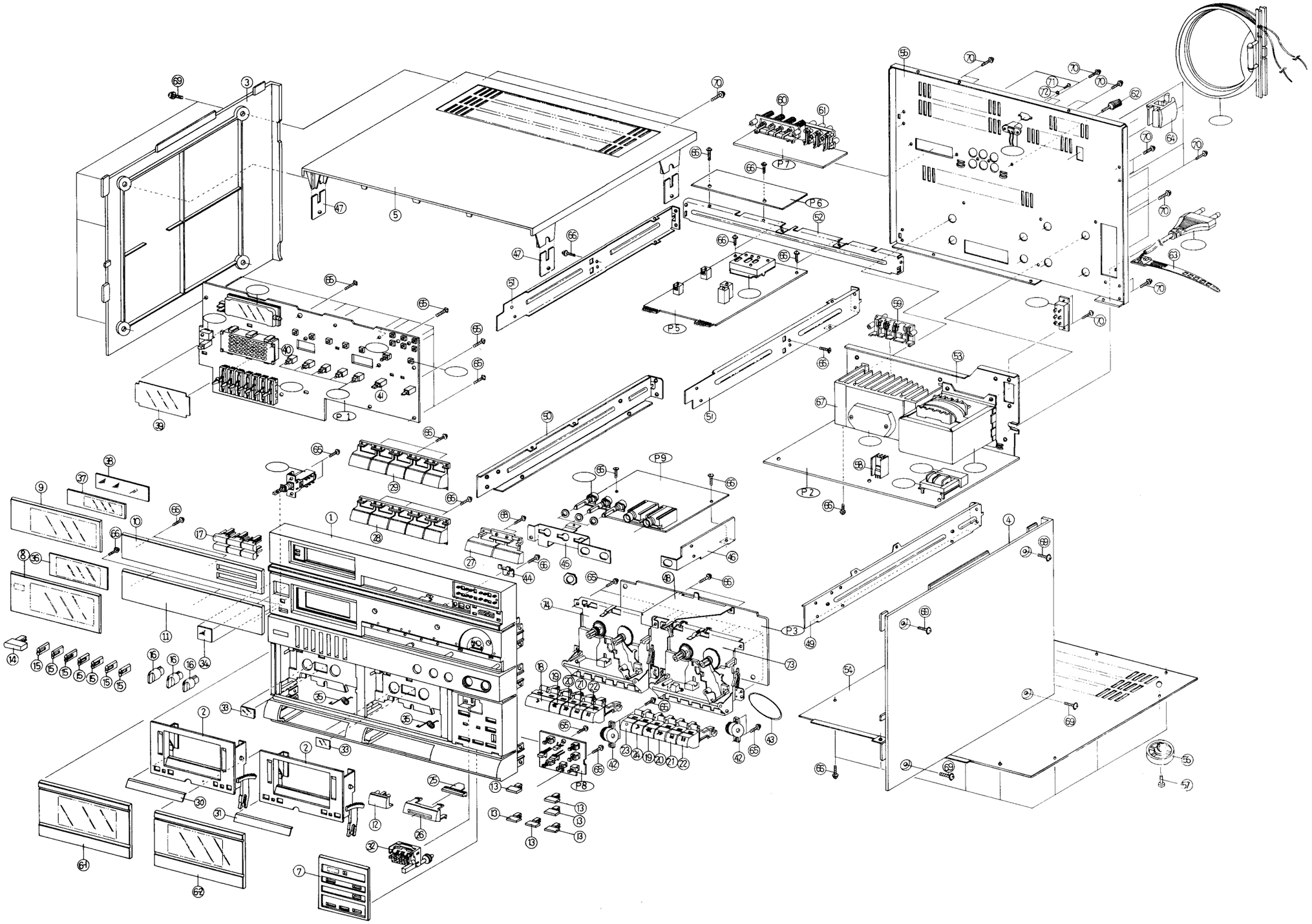
G. INPUT PCB



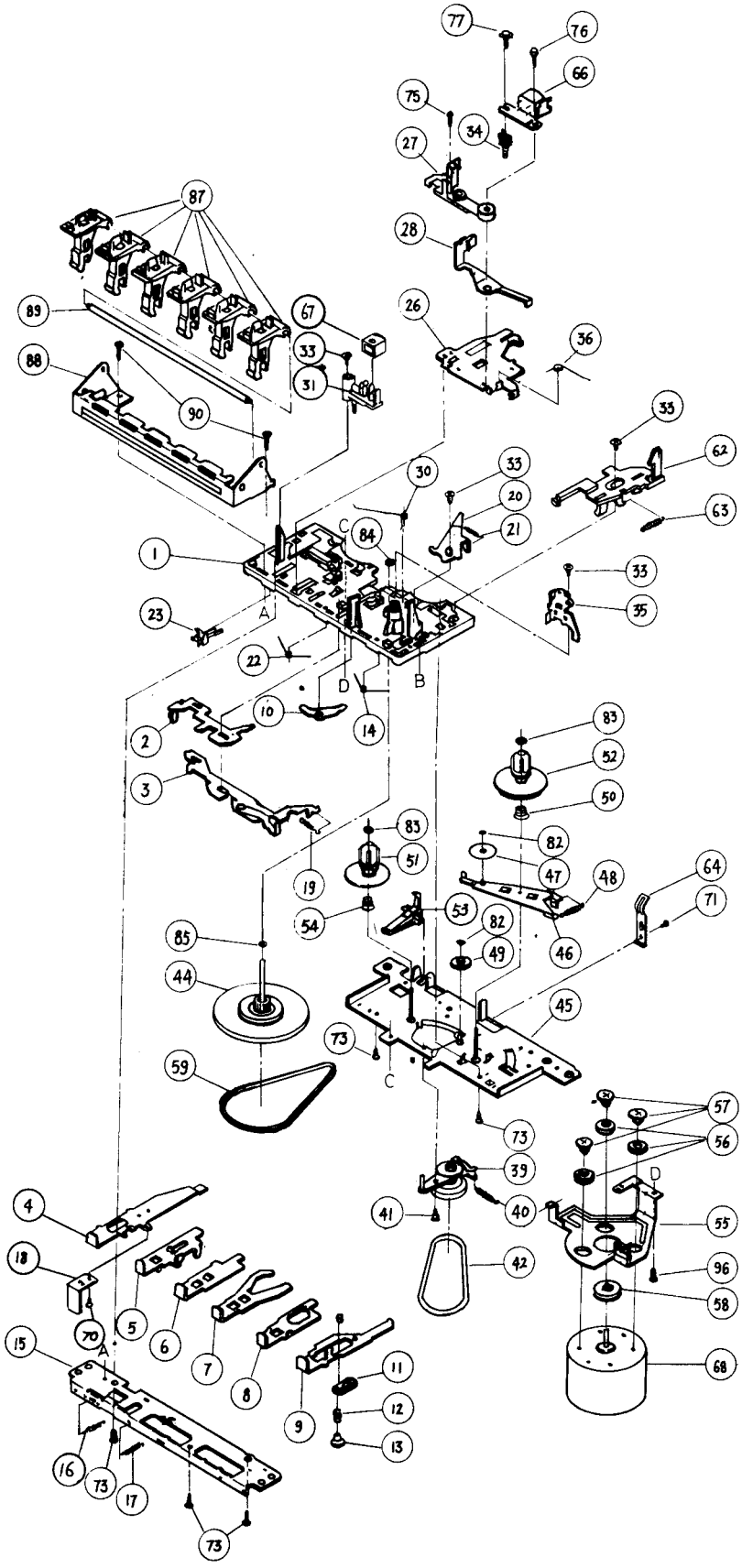
9. WIRING DIAGRAM



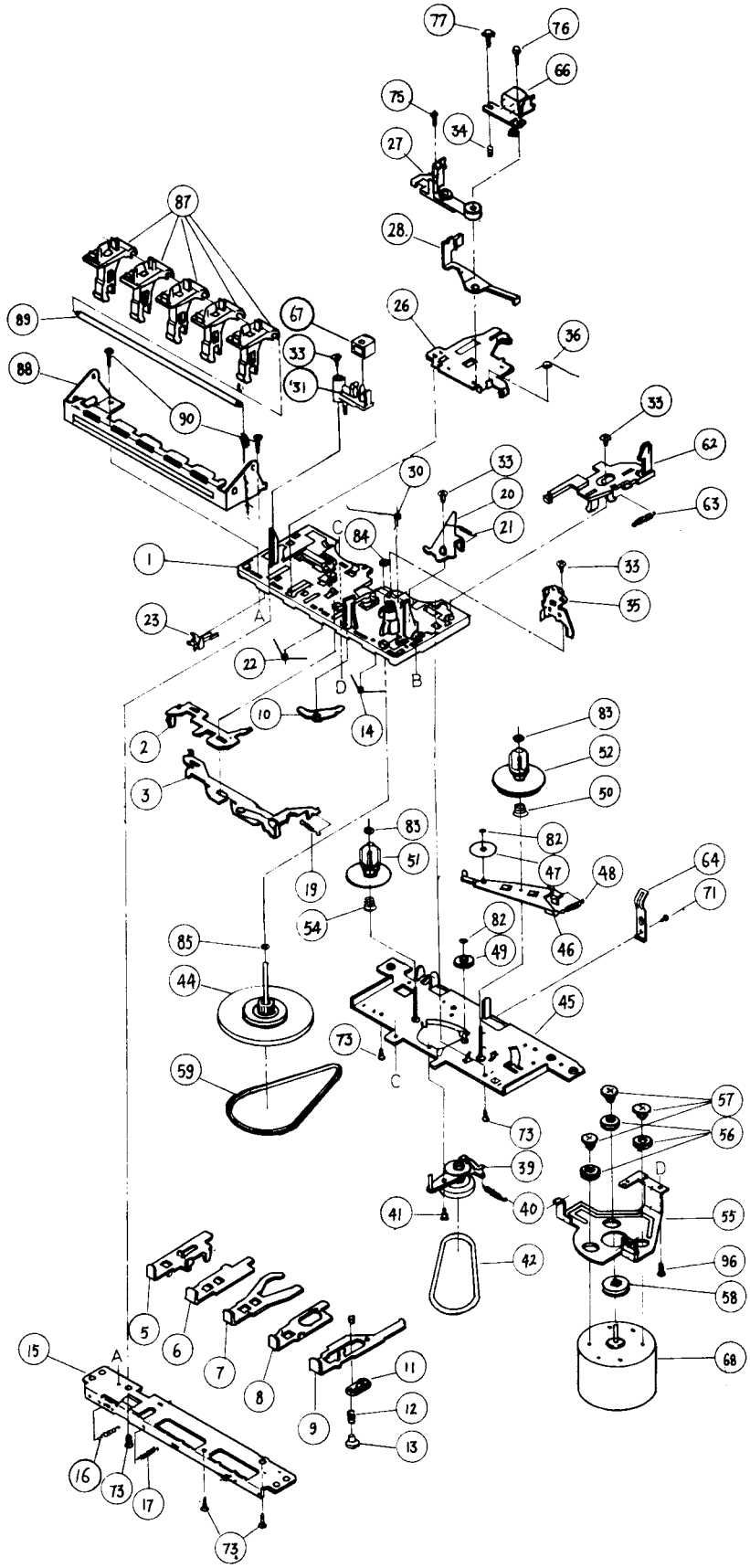
10. EXPLODED VIEW



11. DECK A EXPLODED VIEW



DECK B EXPLODED



12. PARTS DESCRIPTION

[ELECTRIC PARTS]

■ IC

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
IC201	IC-AM FM IF	LA1261	12119-202-770	1	
IC202	IC-MPX	KA2265	12119-201-890	1	
IC301	IC-DUAL OP AMP	MC4558S	12119-401-630	1	
IC401	IC-POWER	STK4141-V	12119-208-080	1	⚠
IC500	IC-PLAY	LA3246	12119-201-840	1	
IC501, IC603	IC-SWITCH	LC-4966	12119-202-690	2	
IC502	IC-DOLBY B	CXA 1101	12109-323-790	1	
IC600	IC-SWITCH	UPC 1290C	12119-202-460	1	
IC601	IC	LB1213	12119-203-370	1	
IC602	IC-PRE AMP	KA2224	12119-202-160	1	
IC701	IC-FUNCTION SW	LC7818	12109-401-030	1	
IC702, IC703	IC-DUAL OP AMP	MC 4558S	12119-401-630	2	
IC704	IC-DUAL OP AMP	MC4558S	12119-401-630	1	
IC705, IC706	IC-7 EQ	LA3605	12119-202-680	1	
IC707	IC-E/C VR	TC9153AP	12119-101-830	1	
IC710-IC716	IC	KA2284	12119-201-260	7	
IC721	IC-REMOCON	TC9150P	12119-101-890	1	RCVR
IC722, IC723	IC	LB1213	12119-203-370	2	
IC731-IC734	IC-DUAL OPAMP	MC4558S	12119-401-630	4	
IC751	IC-FREQ, SYNTHESIZ	LM 7000	12119-203-220	1	
IC752	IC-PLC CONTROL	LC7031	12109-401-060	1	
IC801, IC802	IC-OP AMP	MC4558C	12119-401-170	2	
IC803	IC-BBD	MN3207	12109-310-070	1	
IC804	IC	MN3102	12109-310-080	1	
IC805	IC-CMOS NOR	LC4001B	12119-202-500	1	
IC806	IC-J.K F.F	LC4027B	12109-310-510	1	
IC807	IC-CMOS NAND	LC4011	12119-202-670	1	
IC901	IC-REGULATOR	MC7812C	12109-401-690	1	⚠
ICT01	IC-REMOCON	TC9148P	12119-101-900	1	TRAN

■ TRANSISTOR

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
Q101	TRANSISTOR	KSC838-O	12139-301-850	1	
	TRANSISTOR	KSC945-Y	12139-302-740		
	TRANSISTOR	KSC1222-L	12139-301-280		
Q201	TRANSISTOR	KSC838-O	12139-301-850	1	
Q202-Q204	TRANSISTOR	KSA733-Y	12139-103-380	3	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
Q205, Q255	TRANSISTOR	KSC945-Y	12139-302-740	2	
Q207	TRANSISTOR	KSA733-Y	12139-103-380	1	
Q401, Q451	TRANSISTOR	KSA745-Y	12139-302-740	2	
Q402, Q452	TRANSISTOR	KSA708-Y	12139-103-710	2	
Q403, Q404	TRANSISTOR	KSA733-Y	12139-103-380	2	
Q405, Q406	TRANSISTOR	KSC945-Y	12139-302-740	2	
Q407	TRANSISTOR	KSC945-Y	12139-302-740	1	
Q501, 551	DIGITAL TR	KSR1003	12159-301-280	2	
Q502	DIGITAL TR	KSR 1003	12159-301-280	1	
Q503	TRANSISTOR	KSC 945-Y	12139-302-740	1	
Q504, Q505	TRANSISTOR	KSC945-Y	12139-302-740	1	
Q601, Q651	TRANSISTOR	KSC1222-L	12139-301-280	2	
Q602, Q652	DIGITAL TR	KSR1003	12159-301-280	2	
Q603	TRANSISTOR	KSC2331-Y	12149-301-130	1	⚠
Q604	TRANSISTOR	KSC1008-Y	12149-301-430	1	⚠
Q605	TRANSISTOR	KSA708-Y	12139-103-710	1	⚠
Q701, Q702	DIGITAL TR	KSR 1003	12159-301-280	2	
Q703, Q704	DIGITAL TR	KSR 2004	12159-301-260	2	
Q705, Q706	DIGITAL TR	KSR 1003	12159-301-280	2	
Q707 - Q717	DIGITAL TR	KSR 2004	12159-301-260	11	
Q751, Q752	TRANSISTOR	2SK583	12139-601-200	2	
Q801 - Q805	TRANSISTOR	KSC 945-Y	12139-302-740	5	
Q807	TRANSISTOR	KSC 945-Y	12139-302-740	1	
Q809-Q813	TRANSISTOR	KSC 945-Y	12139-302-740	5	
Q901	TRANSISTOR	KSC 945-Y	12139-302-740	1	
QT1, QT2	TRANSISTOR	KSC945-Y	12139-302-740	2	TR C VR

■ **DIODE**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
VD101, 2	DIODE	KV1236	12169-501-005	1	
D201-D209	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	9	
ZD201	DIODE-ZN	UZP-6.8B	12169-404-100	1	⚠
D401-D403	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	3	
D451-D452	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	2	
D405	DIODE-ZN	RD 407E/UZ 4.7 BM	12169-403-200	1	
D406	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	1	
D501	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	1	
D601-D604	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	4	
D605-D608	DIODE-1K 188FM	1R: 15μA	12169-101-140	4	
D609-D617	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	9	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
D701-D735	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	35	
ZD701	DIODE-ZN	500mW UZ 5.6 BM	12169-404-130	1	⚠
D801-D823	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	23	
D901, D902	DIODE-RECT	2KBP02	12169-219-210	2	⚠
D903	DIODE-RECT	IN4001 1A 50V	12169-201-050	1	⚠
D904	DIODE-ZN	1W 11.4-12.6V UZP-12B	12169-403-910	1	⚠
D905	DIODE-ZN	1W 18.8-21.2V UZP-20B	12169-403-930	1	⚠
D906, D909	DIODE-ZN	UZ-5.6BM	12169-404-130	2	⚠
D907	DIODE-ZN	UZP-5.6B	12169-404-110	1	⚠
D908, D911	DIODE-RECT	1W 4001 1A 50V	12169-201-050	2	⚠
DT3, DT4	DIODE-SW	1SS53/IN4148, CT: 8PF	12169-301-290	2	⚠

■ **LED & INDICATOR**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
FL	FIP TUBE	FIP 7D8G	12319-101-140	1	
LD601	LED	SLB-25VR (RED)	12309-104-340	1	REC
LD602	LED	SLB-25MG (GRN)	12309-104-350	1	DOLBY
LD701-5	LED	SLC-22VR	12309-104-440	5	FUNCTION
LD706, 707	LED	LN 227RPH	12309-117-140	2	VR UP DOWN
LD708	LED	SVB-25VR (RED)	12309-104-340	1	TUNING
LD709	LED	SVB-25MG (GRN)	12309-104-350	1	STEREO
LA791	LED	SVB-55VR (RED)	12309-104-380	1	STANBY
LD751-85	LED-LAMP	SLV-31 MC3	12309-104-410	35	
DT1	LED-INFARAED	EL1 OR EL2	12309-101-700	1	REMO.
REMOCON EYE	REMOCON EYE	BX-1407	12199-101-060	1	

■ **TRANS & COIL**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
TRANS-MAIN	TRANS-POWER	EI74 x 42 110/220KS	12869-212-510	1	
TRANS-REMOCON	TRANS-POWER	EI35 x 10.5 110/220KS	12869-211-210	1	
T101	MW ANT COIL	207 BLRZ-K5026N-KR	12619-411-000	1	
T104	COIL-SEVEN CAN	AD 510μH 220KHz BRN	12619-047-202	1	
T103	COIL-CAN	AD 110μH 796KHz RED	12619-047-203	1	
T201	COIL-SEVEN CAN	FM DET PINK	12619-135-067	1	
T202	COIL-CAN	AC 450KHz YEL	12619-030-005	1	
L601, L602	COIL-CHOKE	POT-B 24MH KQ100	12429-601-243	2	
L603	COIL-CHOKE	470μH R-TYPE	12429-070-130	1	⚠
L604	COIL-CAN	AG 2.2MH F NON BLK	12619-573-071	1	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
L605, L608	COIL-CAN	AE 6.8MH 252K BLK	12619-057-417	2	
L606, L607	COIL-CAN	AE4.7MH 252K BLK	12619-053-911	2	

■ **FILTER**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
CF101, 102	FILTER-CERAMIC	SFE 10.7MA8	14529-309-010	2	
CF201	FILTER-CERAMIC	AHCM2-450BL	14529-304-610	1	
RZ201	CERAMIC RESONATOR	CSB456 F10	11479-001-020	1	
LPF201, 251	LOWPASS FILTER	FV-A D-BASE 19/38KHz	12450-304-040	2	
LF601, 651	LOWPASS FILTER	10MM 19/105KHz	14529-414-050	2	
X101	CRYSTAL	HC-18/U 7.2MHz	14539-501-050	1	
X102	CERAMIC RESONATOR	CSB4009	11479-001-030	1	
XT1	CERAMIC RESONATOR	CSB455E	14539-504-020	1	

■ **VR**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
SVR201	VR-SEMI, FIXED	SR19R B220K	11249-102-090	1	
SVR501, 551	VR-SEMI, FIXED	SR19R B22K	11249-102-040	2	
SVR502, 552	VR-SEMI, FIXED	SR19R B22K	11249-102-040	2	
SVR601, 651	VR-SEMI, FIXED	SR19R B220K	11249-102-090	2	
SVR602, 652	VR-SEMI, FIXED	SR19R B10K	11249-102-030	2	
SVR603, 653	VR-SEMI, FIXED	SR19R B4.7K	11249-102-020	2	
VR701-707	VR-SLIDE	S2028K4-50KBx2	11239-112-050	7	
VR801, 802	VR-ROUND, SINGLE	K161100-50KB	11209-160-010	2	
VR803	VR-ROUND, SINGLE	K16110A-50KW	11209-120-050	1	
SVR801	VR-SEMI, FIXED	SR19R B10K	11249-102-030	1	
SVR802, 804	VR-SEMI, FIXED	SR19R B100	11249-102-130	2	
SVR803, 805	VR-SEMI, FIXED	SR19R B470	11249-102-010	2	

■ **SWITCH**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
S601-606	SWITCH-PUSH	SPH 221A	13529-203-900	6	
S607-608	SWITCH-LEAF	MSW 17600 MVCO	13564-601-010	2	
S701-705	SW-TACT	KHH 15910	13559-201-040	5	
S706-S717	SW-TACT	KHH 15910	13559-201-040	12	
S718, S719	SW-TACT	KHH 15910	13559-201-040	2	
MODE	SWITCH-PUSH	SPH 221A	13529-203-900	1	
POWER	SWITCH-PUSH	SUPL 202Px1	13529-204-130	1	

■ **JACK**

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
MIC	JACK-HEADPHONE	HLJ0315-01-010	13333-510-610	1	
HEADPHONE	JACK-HEADPHONE	HLJ0315-01-010	13333-510-610	1	
TFP	FM FRONT END PACK	VT-4612	14519-809-010	1	
RELAY	RELAY	AH12D1-0(M)-5A	14729-501-070	1	
DECK A	DECK-MECHANISM	M2006F (TN21SB)	14929-104-350	1	
DECK B	DECK-MECHANISM	M2030F (R/P)	14929-104-520	1	

[MECHANICAL PARTS]

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
1	PANEL-FRONT	HIPS 94HB	**16000-517-430**	1	
2	DOOR-CASSETTE	ABS 94HB	**17642-517-540**	2	
3	CABINET-SIDE, L	HIPS 94HB	**16003-502-910**	1	
4	CABINET-SIDE, R	HIPS 94HB	**16003-502-810**	1	
5	CABINET-TOP	HIPS 94HB	**16002-511-910**	1	
6-1	WINDOW-DOOR, A	ACRYL CLEAR	**17642-517-730**	1	
6-2	WINDOW-DOOR, B	ACRYL CLEAR	**17642-517-630**	1	
7	DECO-COUNTER	ACRYL CLEAR	**17614-504-410**	1	
8	DECO-EQ	ACRYL CLEAR	**17614-504-130**	1	
9	DECO-FL	ACRYL CLEAR	**17614-504-230**	1	
10	DECO-TUNER	ABS 94HB	**17613-506-540**	1	
11	DECO-AMP II	ABS 94HB	**17613-506-860**	1	
12	KNOB-MODE	ABS 94HB	**17624-573-930**	1	
13	KNOB-DOLBY	ABS 94HB	17624-572-410	6	
14	KNOB-POWER	ABS 94HB	17624-572-110	1	
15	KNOB-EQ	ABS 94HB	17624-573-610	7	
16	KNOB-ROTARY	ABS 94HB	17624-574-110	3	
17	KNOB-MEMORY	ABS 94HB	17624-573-710	6	
18	KNOB-CASSETTE, L	ABS 94HB	17623-543-010	1	
19	KNOB-REW	ABS 94HB	17624-572-560	2	
20	KNOB-F, F	ABS 94HB	17624-572-550	2	
21	KNOB-ST/EJ	ABS 94HB	17624-572-540	2	
22	KNOB-PAUSE	ABS 94HB	17624-572-530	2	
23	KNOB-REC	ABS 94HB	17624-572-510	1	
24	KNOB-CASSETTE, S	ABS 94HB	17624-572-520	1	
25	KNOB-SEARCH	ABS 94HB	17624-573-810	1	
26	DECO-SEARCH	ABS 94HB	17614-504-310	1	
27	KNOB-VOL (TACT)	ABS 94HB	17623-547-210	1	
28	KNOB-FUNC	ABS 94HB	17623-543-930	1	
29	**KNOB-FUNC LW**	ABS 94HB	**17623-543-920**	1	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
30	INLAY-DOOR, A	AL 0.3T	17824-517-650	1	
31	INLAY-DOOR, B	AL 0.3T	17824-517-670	1	
32	COUNTER	EHR320-003-HD	14319-501-210	1	
33	STICKER REFLECTOR	AL	18114-538-590	2	
34	FILTER-EYE	ACRYL	17654-524-810	1	
35	SPRING-EJECT	SUS #27	16674-544-810	2	
36	WINDOW-EQ	PVC 1.0T	17654-528-510	1	
37	WINDOW-FL	PVC 1.0T	17654-528-610	1	
38	FILTER-FL	ACRYL 0.5T	17654-528-710	1	
39	WINDOW-LEVEL	PVC 1.0T	17654-533-610	1	
40	HOLDER-LEVEL	ABS WHT	16603-504-610	1	
41	HOLDER-LED, (VOL)	ABS 94HB	16604-528-010	2	
42	DAMPER-ASSY	ACETAL	15214-506-010	2	
43	BELT-COUNTER	WRT	15274-501-350	1	
44	SOKET-ANT FM 750MM	TCS9105-01-101	13359-031-020	1	
45	BRKT-FRONT	SBHG 1.0T	16623-503-610	1	
46	BRKT-JACK	SBHG 1.0T	16624-542-710	1	
47	BRKT-CABINET	SBHG 1.0T	16624-510-710	4	
48	BRKT-DECK, A	SBHG 1.0T	16623-503-410	1	
49	FRAME-R2	EGI 1.0T	16622-500-310	1	
50	FRAME-L2	GEI 1.0T	16623-502-210	1	
51	FRAME-L1	GEI 0.8T	16623-502-310	2	
52	BRKT-CROSS	EGI 0.8T	16622-500-710	1	
53	BRKT-P/T, ASSY	SBHG 1.0T	16623-502-510	1	
54	CHASSIS-BOTTOM	EGI 0.8T	16122-528-410	1	
55	CHASSIS-REAR	EGI 0.8T	16122-528-340	1	
56	FOOT	ABS 94HB	16074-500-810	2	
57	FOOT-STOPPER	ABS 94HB	16074-500-910	2	
58	HEAT-SINK, TR	AL EXTRA	15684-507-610	1	
59	TERMINAL-SPK	4P	13303-500-610	1	
60	TERMINAL-ANT	4P	13304-503-610	1	
61	JACK-AUX	6P	13339-403-0306	1	
62	SCREW-GND	ABS	13104-501-610	1	
63	BAND-CORD	P.P BLK	16603-502-410	1	
64	HOLDER-ANT	66 NYLON BLK	16604-516-910	1	
65	SECREW-TAP, TITE	3 x 10	17408-430-101	27	
66	SCREW-TAP, SPEC	3 x 8 YEL	17154-100-630	32	
67	HEAT-SINK	AL EXTRA	15683-504-410	1	
68	SCREW-TAP, PH	2.6 x 8	17108-126-081	2	
69	SCREW-TAP	4 x 12 BLK	17128-544-123	8	
70	SCREW-TAP, SPEC	3 x 8 BLK	17154-100-640	20	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
71	SEREW	+M2x6 FZB	17008-120-0733	2	
72	NUT-HEX	M2 MBS	17208-112-0014	2	
73	DECK-REC	DECK MECHANISM	14929-104-350	1	
74	DECK-PLAY	DECK MECHANISM	14929-104-520	1	

[DECK A PARTS]

LOCATION NO.	PART NAME	DESCRIPTION	CODE NO.	Q'TY	REMARK
1	MAIN BASE ASS'Y	1821-01-01	0000-134-001	1	
2	SWITCH PLATE	1821-01-05	0000-134-002	1	
3	PUSH BUTTON ACTUATOR ASS'Y	1821-01-501	0000-134-003	1	
5	PLAY BUTTON LEVER	1821-01-29	0000-134-005	1	
6	REW BUTTON LEVER	1821-01-30	0000-134-006	1	
7	FF BUTTON LEVER	1821-01-31	0000-134-007	1	
8	STOP BUTTON LEVER	1821-01-32	0000-134-008	1	
9	PAUSE BUTTON LEVER ASS'Y	1821-01-503	0000-134-009	1	
10	REW LEVER	1821-01-14	0000-134-010	1	
11	PAUSE LEVER	1821-01-15	0000-134-011	1	
12	PAUSE LEVER SPRING	1821-01-16	0000-134-012	1	
13	PAUSE STOPPER	1821-01-34	0000-134-013	1	
14	BOTTOM LEVER SPRING	1821-01-23	0000-134-014	1	
15	SUB CHASSIS	1821-01-19	0000-134-015	1	
17	PLAY BOTTOM LEVER SP(S)	1821-01-50	0000-134-017	1	
19	ACTUATOR SPRING	1821-01-22	0000-134-019	1	
20	AUTO LEVER	1821-01-20	0000-134-020	1	
21	AUTO LEVER SPRING	1821-01-21	0000-134-021	1	
22	BUTTON LEVER SPRING (E)	1821-01-49	0000-134-022	1	
23	LEAF SWITCH	MSW-1514	0000-134-023	1	
26	HEAD PANEL	1829-03-04	0000-134-026	1	
27	HEAD BASE	1829-03-02	0000-134-027	1	
28	SENSING PLATE ASS'Y	1829-03-301	0000-134-028	1	
30	HEAD PANEL SPRING	1821-03-12	0000-134-030	1	
33	T.M.E SCREW(3)	QK-08434	0000-134-033	2	
34	SPRING	1821-03-07	0000-134-034	1	
35	PINCH ROLLER ASS'Y	1821-03-301	0000-134-035	1	
36	PINCH ROLLER SPRING	1821-04-02	0000-134-036	1	
39	RF PULLEY ARM ASS'Y	1821-07-301	0000134-039	1	
40	RF PULLEY ARM SPRING	1821-07-04	0000-134-040	1	
41	FR ARM COLLER SCREW	1867-04-13	0000-013-041	1	

LOCATION NO.	PART NAME	DESCRIPTION	CODE NO.	Q'TY	REMARK
42	RF BELT	1821-07-03	0000-034-042	1	
44	FLY WHEEL ASS'Y	1821-07-301	0000-034-044	1	
45	REEL BASE ASS'Y	1829-10-501	0000-034-045	1	
46	TAKE UP GEAR PLATE ASS'Y	1829-10-502	0000-034-046	1	
47	TAKE UP ROLLER GEAR	1867-03-502	0000-034-047	1	
48	T.G. PLATE SPRING	1867-10-08	0000-034-048	1	
49	FF GEAR	1867-03-09	0000-034-049	1	
50	BACK TENSION SPRING	1821-10-12	0000-034-050	1	
51	SUPPLY REEL ASS'Y	1821-10-301	0000-034-051	1	
52	TAKE UP REEL ASS'Y	1821-10-302	0000-034-052	1	
54	BACK TENSION SPRING	1800-05-17	0000-034-054	1	
55	MOTOR BRACKET	1821-12-19	0000-034-055	1	
56	MOTOR RUBBER	1510-10-03	0000-136-056	3	
57	COLLER SCREW(K)	1510-08-11	0000-136-057	3	
58	MOTOR PULLEY	1821-12-14	0000-136-058	1	
59	MAIN BELT	1821-12-21	0000-136-059	1	
62	EJECT SLIDE LEVER	1821-13-06	0000-134-062	1	
63	EJECT SLIDE LEVER SPRING	1821-13-02	0000-134-063	1	
64	PACK SPRING	1821-10-03	0000-134-064	1	
66	R.P. HEAD		0000-134-066	1	
68	MOTOR	NAM-16C	0000-134-068	1	
71	C TAPPING SCREW M2x3	9179-00-00	0000-134-071	2	
73	P TAPPING BIND SCREW M2x4	9716-00-00	0000-134-073	5	
75	SCREW M2x6	9004-00-00	0000-134-075	1	
77	+ – CAP SCREW M2x7	9820-00-00	0000-134-077	2	
80	P WASHER 2x6x0.3	9351-00-00	0000-134-080	1	
82	P WASHER CUT 1.2x3x0.25	9421-00-00	0000-134-082	2	
83	P WASHER CUT 1.2x3x0.4	9888-00-00	0000-134-083	2	
84	P WASHER CUT 1.55x3.8x0.5	9875-00-00	0000-134-084	1	
85	P WASHER CUT 2.05x4x0.4	9937-00-00	0000-134-085	1	
87	OPERATION LEVER	1865-14-50	0000-197-112	6	
88	BUTTOM FRAME	1865-14-15	0000-197-114	1	
89	BUTTOM LEVER SHAFT	1829-31-03	0000-197-113	1	
90	FINE SCREW 2x10	9995-00-00	0000-197-201	2	

[DECK B PARTS]

LOCATION NO.	PART NAME	DESCRIPTION	CODE NO.	Q'TY	REMARK
1	MAIN BASE ASS'Y	1821-01-01	0000-134-001	1	
2	SWITCH PLATE	1821-01-05	0000-134-002	1	
3	PUSH BUTTON ACTUATOR ASS'Y	1821-01-501	0000-134-003	1	
4	RECORD BUTTON LEVER	1821-01-28	0000-134-004	1	
5	PLAY BUTTON LEVER	1821-01-29	0000-134-005	1	
6	REW BUTTON LEVER	1821-01-30	0000-134-006	1	
7	FF BUTTON LEVER	1821-01-31	0000-134-007	1	
8	STOP BUTTON LEVER	1821-01-32	0000-134-008	1	
9	PAUSE BUTTON LEVER ASS'Y	1821-01-503	0000-134-009	1	
10	REW LEVER	1821-01-14	0000-134-010	1	
11	PAUSE LEVER	1821-01-15	0000-134-011	1	
12	PAUSE LEVER SPRING	1821-01-16	0000-134-012	1	
13	PAUSE STOPPER	1821-01-34	0000-134-013	1	
14	BOTTOM LEVER SPRING	1821-01-23	0000-134-014	1	
15	SUB CHASSIS	1821-01-19	0000-134-015	1	
16	A BOTTOM LEVER SPRING	1821-01-07	0000-134-016	1	
17	PLAY BOTTOM LEVER SP(S)	1821-01-50	0000-134-017	1	
18	RECORD SPRING PLATE	1510-02-02	0000-134-018	1	
19	ACTUATOR SPRING	1821-01-22	0000-134-019	1	
20	AUTO LEVER	1821-01-20	0000-134-020	1	
21	AUTO LEVER SPRING	1821-01-21	0000-134-021	1	
22	BUTTON LEVER SPRING (E)	1821-01-49	0000-134-022	1	
23	LEAF SWITCH	MSW-1514	0000-134-023	1	
26	HEAD PANEL	1829-03-04	0000-134-026	1	
27	HEAD BASE	1829-03-02	0000-134-027	1	
28	SENSING PLATE ASS'Y	1829-03-301	0000-134-028	1	
30	HEAD PANEL SPRING	1821-03-12	0000-134-030	1	
31	MG ARM	1821-03-05	0000-134-031	1	
33	T.M.E. SCREW (3)	QK-08434	0000-134-033	3	
34	SPRING	1821-03-07	0000-134-034	1	
35	PINCH ROLLER ASS'Y	1821-03-301	0000-134-035	1	
36	PINCH ROLLER SPRING	1821-04-02	0000-134-036	1	
39	RF PULLEY ARM ASS'Y	1821-07-301	0000-134-039	1	
40	RF PULLEY ARV SPRING	1821-07-04	0000-134-040	1	
41	FR ARM COLLER SCREW	1867-04-13	0000-013-041	1	
42	RF BELT	1821-07-08	0000-034-042	1	
44	FLY WHEEL ASS'Y	1821-07-301	0000-034-044	1	
45	REEL BASE ASS'Y	1829-10-501	0000-034-045	1	

LOCATION NO.	PART NAME	DESCRIPTION	CODE NO.	Q'TY	REMARK
46	TAKE UP GEAR PLATE ASS'Y	1829-10-502	0000-034-046	1	
47	TAKE UP ROLLER GEAR	1867-03-502	0000-034-047	1	
48	T.G. PLATE SPRING	1867-10-08	0000-034-048	1	
49	FF GEAR	1867-03-09	0000-034-049	1	
50	BACK TENSION SPRING	1821-10-12	0000-034-050	1	
51	SUPPLY REEL ASS'Y	1821-10-301	0000-034-051	1	
52	TAKE UP REEL ASS'Y	1821-10-302	0000-034-052	1	
53	RECORD SAFETY LEVER	1800-02-01	0000-034-053	1	
54	BACK TENSION SPRING	1800-05-17	0000-034-054	1	
55	MOTOR BRACKET	1821-12-19	0000-034-055	1	
56	MOTOR RUBBER	1510-10-03	0000-136-056	1	
57	COLLER SCREW (K)	1510-08-11	0000-136-057	3	
58	MOTOR PULLEY	1821-12-14	0000-136-058	1	
59	MAIN BELT	1821-12-21	0000-136-059	1	
62	EJECT SLIDE LEVER	1821-13-06	0000-134-062	1	
63	EJECT SLIDE LEVER SPRING	1821-13-02	0000-134-063	1	
64	PACK SPRING	1821-10-03	0000-134-064	1	
66	P.P. HEAD		0000-134-066	1	
67	E. HEAD		0000-134-067	1	
68	MOTOR	NAM-16C	0000-134-068	1	
70	TAMS SCREW M2x3	9076-00-00	0000-134-070	1	
71	C TAPPING SCREW M2x3	9179-00-00	0000-134-071	2	
73	P TAPPING BIND SCREW M2x4	9716-00-00	0000-134-073	5	
75	SCREW M2x6	9004-00-00	0000-134-075	1	
77	+ – CAP SCREW M2x7	9820-00-00	0000-134-077	2	
80	P WASHER 2x6x0.3	9351-00-00	0000-134-080	1	
82	P WASHER CUT 1.2x3x0.25	9421-00-00	0000-134-082	2	
83	P WASHER CUT 1.2x3x0.4	9888-00-00	0000-134-083	2	
84	P WASHER CUT 1.55x3.8x0.5	9875-00-00	0000-134-084	1	
85	P WASHER CUT 2.05x4x0.4	9937-00-00	0000-134-085	1	
87	OPERATION LEVER	1865-14-50	0000-197-112	6	
88	BUTTOM FRAME	1865-14-15	0000-197-114	1	
89	BUTTOM LEVER SHAFT	1829-31-03	0000-197-113	1	
90	FINE SCREW 2x10	9995-00-00	0000-197-201	2	

LOCATION NO.	DESCRIPTION	SPECIFICATION	CODE NO.	Q'TY	REMARK
202					
203	CAMERA SCREW 2 x 2.5	9562-00-00	0000-197-203	4	
204	CAMERA SCREW 2 x 8.5	9896-00-00	0000-197-204	6	
205	POLYSLIDER WASHER CUT 1.2 x 3 x 0.25	9421-00-00	0000-197-205	5	
206		9999-20-01	0000-197-206	2	
207	C TAPPING SCREW 2 x 3	9001-00-00	0000-197-207	1	
208					
209	POLYSLIDER WASHER CUT 2.1 x 5 x 0.4	9744-00-00	0000-197-209	2	
210	C TAPPING SCREW 2 x 5	9181-00-00	0000-197-210	2	
211	E RING S2.0	9502-00-00	0000-197-211	4	
212	P TAPPING SCREW 2 x 6	9674-00-00	0000-197-212	2	
213	CAMERE SCREW 2 x 3	9562-00-00	0000-197-213	2	
214	CAMERA SCREW 2 x 1.5	9554-00-00	0000-197-214		
215	E RING S1.5 (SPECIAL BLACK)	9486-00-00	0000-197-215	1	
216	CAMERA SCREW 2 x 3.5	9561-00-00	0000-197-216	3	
217	CAMERA SCREW 2 x 2.5	9566-00-00	0000-197-217	2	
218	E RING S1.5 (SPECIAL)	9497-00-00	0000-197-218	1	
219	SCREW 2 x 3	9002-00-00	0000-197-219	4	
220	CAMERA SCREW 2 x 8	9987-00-00	0000-197-220	2	
221	POLYSLIDER WASHER W2.2 x 3.8 x 0.5	9789-00-00	0000-197-221	2	
222	NYLON WASHER 2.1 x 3.5 x 0.5	9857-00-00	0000-197-222	2	
223	WIRE	6602-37-01	0000-197-223	1	
224		9114-00-00	0000-197-224	1	
225	DAMPER SP	1865-02-13	0000-197-225	1	